

**DENO-00263** 



Hi-Fi Personal Component System

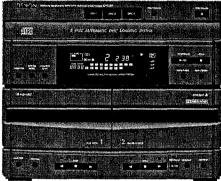
## **SERVICE MANUAL**

## MODEL D-1250/850

### PERSONAL COMPONENT SYSTEM









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## NIPPON COLUMBIA CO., LTD.

#### SAFETY PRECAUTIONS

The following precautions should be observed when servicing.

- 1. Since many parts in the unit have special safety related characteristics, always use genuine DENON's replacement parts. Especially critical parts in the power circuit block should not be replaced with other makers. Critical parts are marked with,  $\triangle$  in the circuit diagram and printed wiring board.
- 2. Before returning a repaired unit to the custmer, the service technician must thoroughly test the unit to ascertain that it is completely safe to operate without danger of electrical shock.

#### **SPECIFICATIONS**

#### TUNER SECTION

Reception

frequency bamd: FM: 87.50 - 108.00 MHz (50 kHz step)

AM: 522 - 1,611 kHz (9 kHz step)

[for Europe, U.K.]

FM: 87.50 - 108.00 MHz (50 kHz step) AM: 522 - 1,611 kHz (9 kHz step) 530 kHz - 1710 kHz (10 kHz step)

[for Asia]

FM: 87.90 - 107.90 MHz (200 kHz step)

AM: 530 - 1.710 kHz (10 kHz step)

[for U.S.A., Canada]

Reception sensitivity: FM: 1.5 µV/75 ohms

AM: 630 μV/m

FM stereo separation: 35 dB (1 kHz)

Timer:

Quarts lock daily timer (Timer - Sleep/Play/Rec)

#### **AMPLIFIER SECTION**

Rated output

power (Stereo): D-1250 : 50 W /chanel (6 ohms,

65 Hz - 15 kHz, THD 1.0%)

D-850 : 35 W /chanel (6 ohms,

65 Hz - 15 kHz, THD 1.0%)

Rated output power

[D-1250] ID-850] 35 W x 2

(Dolby Pro Logic): Front L/R: 50 W x 2,

Center : 50 W 35 W Rear : 15 W x 2, 15 W

Frequency response: 20 Hz - 40 kHz (20Hz: -2dB, 40kHz: -3dB)

Required

speaker impedance: Front L/R: 6 - 16 ohms Center/Surround: 6 - 16 ohms

#### **CASSETTE DECK SECTION**

Type:

4-track 2-channel

stereo auto reverse cassette deck

Heads:

TAPE 1 : Playback

TAPE 2 : Recording/Playback

Tape speed:

4.75 cm/sec

Included circuits:

D-1250 : Dolby B and C NR

D-850 : Dolby B NR

Usable tapes:

Normal, chrome and metal

#### CD PLAYER SECTION

Wow and flutter:

Unmeasurable

Sampling frequency: 44.1 kHz

Optical source:

Semiconductor

S/N ratio:

90 dB

#### • GENERAL SPECIFICATION

Power supply:

AC230 V, 50 Hz [for Europe, U.K.] AC110 V - 120 V / 220V - 240 V,

50 Hz/60 Hz [for Asia]

AC120 V, 60 Hz [for U.S.A., Canada]

Power consumption: D-1250 : 170 W

D-850 : 140 W

Dimensions:

UDRA-1250/850:

270 (W) x 215 (H) x 418 (D) mm

UWCM-1250/850:

270 (W) x 215 (H) x 341 (D) mm

Weight:

UDRA-1250 : 8.3 kg

UDRA-850 : 7.3 kg **ÚWCM-1250** 

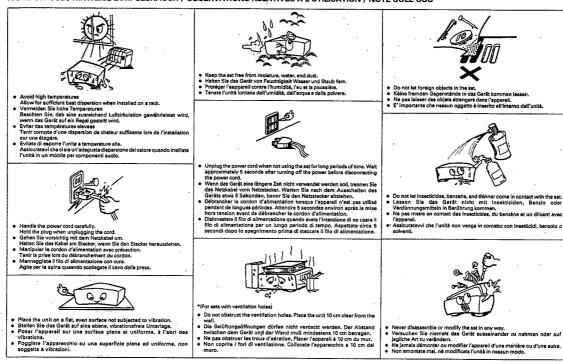
: 5.0 kg UWCM-850 : 5.0 kg

\* Dimentions include controls, jacks and covers.

(W) = width, (H) = height, (D) = depth

 For improvement purposes, specifications and functions are subject to change without advanced notice.

#### NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION / NOTE SULL'USO



CAUTION / VORSICHT / ATTENTION / AVVISO

If the system should smoke or produce strange smells, immediately set the power switch to the STANDBY position, unplug the power cord, and contact your store of purchase.

Solite das Gerkt Rauch produzieren oder elgenartig riechen, stellen Sie den Netzschafter solort auf die Position STANDBY (Bereitschaft), zlehen Sie den Netzstecker heraus und kontaktleren Sie ihren Händler.

Sid als fumbe sort de is chaline under ouder oderen Stellerrentputeur d'elimentation immédiatement aur la position de veille (STANDBY), debrancher le ordont d'alimentation et cortont d'alimentation et contacter le distributeur.

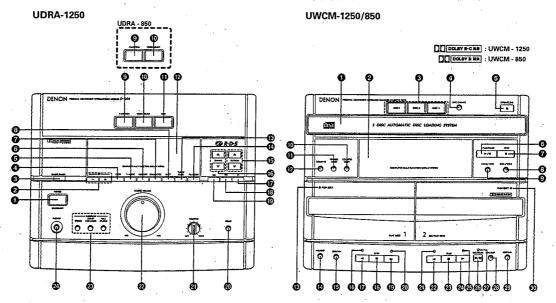
Qualora il sisteme dovesse produrre del tumo o degli odori strani, collocate immédiatements l'interruttors di accessione nella posizione STANDBY, disinnestate il filo di alimentazione e rivolgatevi al negozio dell'acquisti

STEREO RECEIVER FRONT PANEL FRONTPLATTE STEREOEMPFÄNGER PANNEAU AVANT DE L'AMPLI-TUNER STEREO PANNELLO ANTERIORE DEL SINTOAMPLIFICATORE STEREO

IDENTIFICATION OF CONTROL / BEDIENUNGSELEMENTE / DESIGNATION DES COMMANDES / IDENTIFICAZIONE DEI COMANDI

CD CHANGER-CASSETTE DECK FRONT PANEL FRONTPLATTE CASSETTENDECK MIT CD-WECHSLER PANNEAU AVANT DU CHANGEUR DE CD-PLATINE CASSETTE PANNELLO ANTERIORE DEL CAMBIA-CD/PIASTRA A CASSETTE

See ENGLISH Page 12 Sehen Sie DEUTSCH Seite 41 Voir FRANÇAIS Page 84 Fate riferimento alla sezione ITALIANO alla pagina 120



As an 4d to better understanding the operation method, the illustrations used in hits manual may differ from the setual system.
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 Pour facilitier is comprehension de le méthode de fonctionnement, les illustrations utilitées dans ce manual peuvent être différents de celles de la chains réalis.
 Per rendere les piegations de la méthode postropiu ficelle, el liustrationi usate in quest Differto del istruzioni offiferir del sisteman differe de sisteman etasso.

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#### **MAIN FEATURES**

- Easy Operation by On-Screen Display (For D-1250 Only)
  System Setting Menu is displayed on your TV (monitor) screen.
- RDS compatible
  Compatible with various RDS services, including
  program service name (PS), program type
  identification (PTY), radio text (RT) and clock time
  (CT).
- Quality power for high quality sound 50W + 50W (60/ohms, 1kHz, THD 1%) high quality samplifier and terminals for large speakers. (For D-850: 35W + 35W)
- High sound quality, multi-function 3-DISC CD auto-changer
  Edit function for automatically dividing the tracks on a CD for recording onto addes A and S of a tape.

  Cassette date with Dolby 8 and C NR (For D-850: Dolby 8 Nr)
  For playback and recording of high quality sound.
- Two types of timers
   Two timer settings can be made everyday and sleep.
- Auto on function
  The power furns on automatically and playback
  begins when the PLAY button on the CD player or the
  cassatte dack, or the TUNER BAND button is
  pressed.

#### 2 BEFORE USING

#### Accessories

- Notices to Users

- Bafore turning on the power
  Check again that all connections are correct and that
  there are no problems with the connection cords. Be
  sure to unplug the power cord before connecting or
  disconnecting the connection cords.
- Humming may be produced if this system is set near a TV or other audio equipment. If this happens, try changing the position of the equipment or the connection cords.
- connection cords.

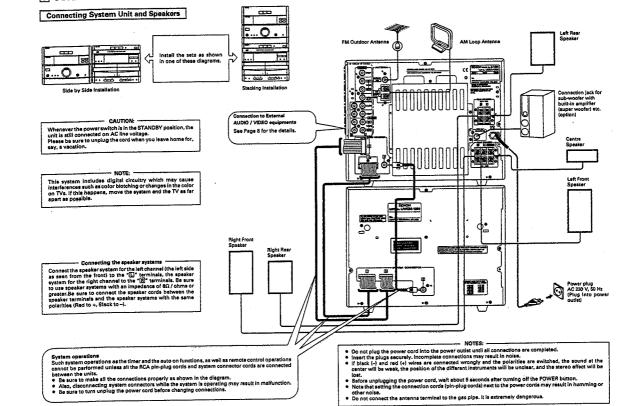
  Moving the system Be sure to remove CDs before moving the system. If a CD Is left in the CD player, it may be scratched.

  To prevent short-circuits or damage to the connection cords, slways unplug the power cord and disconnect all connection cords to other audio acquipment.

- Condensation (dew)
   Condensation (water droplets may be produced on internal optical lenses or discs in the following cases:
   Oirectly after a heater is turned on.
   When the system is in a steamy or humid room.
   When the system is moved abuptly from a cold place (room) to a warm room.
- When the system is moved abrupty from a coupleae (from the a warm round). Should condessation occur:
  The signals on the disc cannot be read and the system will not function properly. Remove the disc than let the system set with the power on. The condensation will evaporate in one hour or less, at which time the system will function normally. Illustrations on this manual hours that the system will function normally. Illustrations on this manual may differ from the actual system.

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**3 CONNECTIONS** 

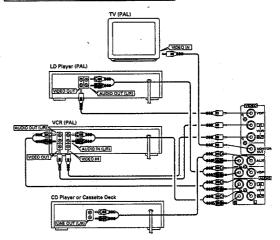


# D-850 REAR SPEAKERS SINGLE

#### DUAL

#### SINGLE

#### Connecting to External Equipments (Example)



D-1250 is provided with OSD function (see page 37.)
This OSD is compatible with PAL system. If your LD player or VCR which is connected to D-1250 is not compatible with PAL system, the picture may not be shown properly.

#### Selecting AUDIO Input

To select AUDIO input, press FUNCTION button. Each time you press the FUNCTION button the input mode will be changed as follows. (See page 14 for the details.)

TAPE TUNER - AUX - VCA - VOP

#### Selecting VIDEO Output

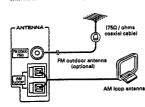
To select which input VIDEO picture (VCR or VDP) to output, press V.SELECT button on the remote control unit. Each time you press the V.SELECT button, the output selection will be changed as follows.

VCR VOP OFF

8

#### Connecting to Antennas (Attached)

If good reception cannot be schieved with the included FM antenna, use an FM outdoor antenna. Connect an F- shaped connector to the coaxial cable and connect the antenna to the FM COAX (75 Q) terminal.



#### installing the AM loop antenna

Tune to an AM station (see Page 19) and set the antenna in a position as far from the system as possible in which distortion and noise is minimum, in some cases it is best to invert the polarities AM broadcasts cannot be received well if the loop antenna is not connected or lift is set close to metal objects.



## Selecting a place for the FM outdoor antenna

- antenna

  Sat the antenne so that is pointing towards the broadcast station's transmitting antenna. Sahind buildings or mountains, set the entenna in the position at which reception is best and also try changing the direction of the entenna. Do not install the entenna under power lines. Only the power lines are not to the entenna to the power lines. Only the power line install the entenna sawy from code of train tracks to avoid noise from ears or trains.

  On ont install the antenna too high, as it may be hit by lighting.



#### 4 HOW TO SET THE REMOTE CONTROL UNIT

The D-1250 and D-850 come with a system remote control unit RC-810 and RC-

#### Inserting the Batteries

- Use R&P (AA) batteries in this manual unit.
  Replace the batteries with new ones approximately once each year, though this depends on how frequently the remote control unit is used.
  Replace the batteries with new ones sariller if the remote control unit does not operate even from a short distance.
  Insert the batteries in the proper + and direction, following the marks in the battery of Remove the batteries when not using the remote control unit for extended periods of time. NOTES:

- remote control unit for extended periods of time.
  To avoid damage and leakage:
  Do not use new battery with an old one.
  Do not use two different types of batteries.
  Do not short-circuit, take spart, hast or dispose of batteries and the spart past or dispose of batteries and the spart past or the batteries of the battery compartment, then insert new batteries.
- Open the battery compartment cover on the back of the remote control unit.

  Press and slide down the cover in the direction of the arcwin.



- Insert the two RSP (AA) batteries, following and marks in the battery compartment.
  Close the cover of the battery compartment.



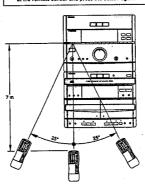
#### Using the Remote Control Unit

- CAUTION ON USE

- CAUTION OR USE

  The remote control unit may not operate if the remote sensor is exposed to direct sunlight or the strol light form a lighting fixture, or if there is an obstacle between the remote control unit and the remote sense

  Do not press buttons on the remote control unit and on the set at the same time. Doing so could result if
- Do not press buttons on the remote control unit and on the set at the same time. Doing so could result in a
  maillunction.
   If the remote control unit is pointed away from the remote sensor during continuous operations (such as
  when turning the volume up or down), the operation will stop. If this happens, point the remote control unit
  at the remote sensor and press the button again.



The remote sensor is located on the stereo receiver. Point the emote centrol unit at the remote sensor as shown on the diagram when operating it. The remote control unit will operate from a direct distance of approximately Tenters, but this direct distance of approximately Tenters, but this direct cell the shortened if obstacles are present or if operated at an angle. (The remote control unit will operate at an angle of up to 20° in either directions).

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#### **5** PART NAMES, FUNCTIONS AND DISPLAYS

#### STEREO RECEIVER

- POWER button
   (This turns the power for the entire system on and
   off.)
   Press this once to turn the power on, then press
   again to set the power to the standby mode.
- again to set the power to the service of SET I = 3 button Press this when setting the timer and to turn the timer on so that it operates at the set times.

  REMOTE SENSOR When operating the remote control unit, point it at this sensor.
- This sensor.

  CrT/s (CLOCK/TIMER/SLEEP) button
  Use this button to set the clock timer-controlled
  and sleep functions.
- T.MODE button
  Press this button to set the timer mode function to
  off, play or record.
  MEMORY button
  This button is used to preset AM and FM stations. 6
- 0

- This button is used to preset AM and FM stations. CHARACTER button Use this button to enter the AM and FM stations name.

  SHIFT button
  Use this button to select the memory blocks of the present and the stations, A (1 to 8), B (1 to 8), C (1 to 8) or D read and the stations, A (1 to 8), B (1 to 8), C (1 to 8) or D read and the stations, A (1 to 8), B (1 to 8), C (1 to 8) or D read the stations, A (1 to 8), B (1 to 8), C (1 to 8) or D read the stations, A (1 to 8), B (1 to 8), C (1 to 8) or D read the station, A (1 to 8), B (1 to 8), C (1 to 8) or D read the stations of the stations of
- 1 VIDEO SELECT button
  Press this button to select VIDEO output terminal,
  VDP or VCR, to output picture to the TV (monitor). 0
- OSD button (For D-1250 only)
  Press this button to show the System Setting
  Menu on your TV (monitor) screen.
- **®**
- Display
  TUNER BAND button
  Use this button to select AM or FM band.

TO mode:

Use this mode to receive programs in stereo. The sound and the Indicators on the display automatically switch between moneural and stereo ("STEREO") according to whether the program is being broadcast in monaural or stereo.

program is being broadcast in monaural or stereo.

NO mode:
Use this mode to receive programs in monaural, regardless of whether they are being broadcast in monaural or stereo.

Set this mode if there is much noise or if the signals are weak when reactiving stereo programs (when "AUTO" is lit).

- B STATION ( ▲ ) and ( ▼ ) buttons
  Press these buttons to select preset AM and FM
  stations.

  TUNING ( ▲ ) and ( ▼ ) buttons
  Press these buttons to select AM and FM stations.
- RT (Radio Text) button
  Press this button to show Radio Text on the display
  while "RT" indicator lights. Ø
- PTY (Program Type) button
  Press this button to select one of the 15 program
  types in RDS.
- RDS button
  Use this button to automatically tune to FM stations using the radio data system. 0
- 0
- 0
- Use this button to automatically une to restations using the radio date system.

  DEMO button
  Use this button to show the demonstration pattern
  on the displey.

  BALLANCE control
  Use this to adjust the balance of the volume
  between the list and right channels.

  MASTER VOLUME control
  Use this to adjust the overall volume.

  SURROUND control buttons

  STERED button
  STERED button
  Press this button to select STEREO mode.

  DOLLY PROLOGIC button
  Press this button to select NORMAL, PHANTOM,
  WIDE or 3CH LOGIC mode.
  HALL STUDIO button
  Press this button to select HALL or STUDIO mode.

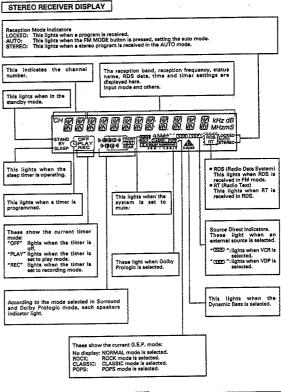
  The surround effect cannot be given to a
  monaural.

  PHONES (heseighones jeed)
- monaural.

  PHONES (headphones jack)

  Plug the headphones into this jack.

  No sound is produced from the speakers when headphones are plugged in.



NOTE:

• The timer standby mark (\* © \*) does not light if the current time and the timer have not been set.

#### CD CHANGER-CASSETTE DECK

#### CD Block

0 Disc tray Load discs here.

Display
DISC selection buttons
Press any of the buttons to select the desired disc
to be played.

to be played.

DISC CHANGE button

Open the disc tray and press this button to rotate
the trays after placing two discs. Place the next disc
on the empty tray. Each time the DISC CHANGE
button is pressed, the tray rotates and one disc can
be placed or changed. 0

OPEN/CLOSE ( & ) button
 Press this to open and close the disc tray.
 When pressed once, the disc tray opens out, and
 when pressed again, the disc tray closes.

when pressed again, the disc tray dioses. PLAY/PAUSE (E-M±1 button Press to begin play; the Play indicator will light. Press during play to temporarily stop play; the Pause indicator will light. Press this button to resume play at the point where it was paused. When pressed in the standby mode, the power automatically turns on and playback begins. (Auto on function) 0

STOP (■) button
 Press this button to stop playback.

6

| No. | No.

Use this to move the segment of the pause mode, the pickup moves forwards a number of tracks equal to the number of times the button is. The automatic search mode is set if the  $\Theta$  or  $\Theta$  button is released within 0.5 seconds, and the manual search mode is set if the button is had for over 0.5 seconds.

for over 0.5 seconds.

Nex1 - 44

Automatic/Manual Search Reverse) button
Use this to move to the beginning of a specific
track.

When pressed during playback or in the pause
mode, the pickup moves backward a number of
tracks equal to the number of times the button is
pressed.

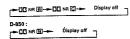
#### Cassette Deck Block

12

COUNTER RESET button
Press this button to reset the tape counter to

\* 0000 \*.
• REVERSE MODE button
Use this to select the direction of tape travel. For datails refer to Page 23.

DOLBY NR Mode button
Use this to select the Dolby NR mode (OFF, 8 or C).



(B®) TAPE 1 / TAPE 2 ♠ PUSH EJECT CASSETTE

② TAPE 1 / TAPE 2 & PUSH EJECT CASSETTE DOOR.
DOOR
→ (\*) SKIP (Rewind/Skip) button
Frest this to open and close the cassette door.
→ (\*) SKIP (Rewind/Skip) button
Frest this button to rewind the front side of the tape. The back side of the tape of the back side of the tape side in the forward (\*) direction, or to search for the beginning of the following selection when playing in the reverse (\*) direction.
② SKIP / > (Skip) / Fast-forward) button
Frest this button to fast-forward the front side of the tape. (The back side of the tape is reworded) of the following selection when playing in the forward (\*) direction, or to search for the beginning of the current selection when playing in the forward (\*) direction, or to search for the beginning of the current selection when playing in the reverse (\*) direction.

(6) Reverse (\*\*) orrection.

(6) Reverse (\*\*) orrection.

(7) Reverse (\*\*) indicator

Thase indicators show the present status of playing or recording. Lights: Stand-by (Reverse direction)
Flashes: Playing or Recording (Recording: TAPE 2 only)

(Recording:

(Reverse Play) button
Press this button to play the back side of the tape.

If this button is pressed in the standby mode, the power of the cassette deck automatically turns on and playback begins, (AUTO ON function)

power of the cassette deck automatically turns on and playback begins. (AUTO ON function)

3 STOP (# | button | Press this button while the tape is moving to stop the tape. |

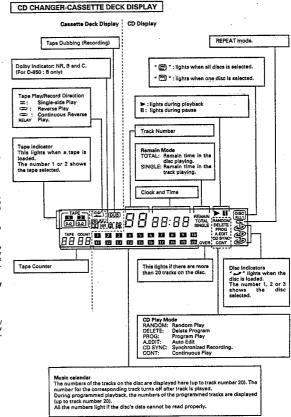
5 Press this button to play the front side of the tape. If this button is pressed in the standby mode, title power of the cassette deck to the tape. If this button is pressed in the standby mode, title power of the cassette deck (AUTO ON function)

4 Powerd Play Indicator
These indicators show the present status of playing and recording. Lights: Stand-by (Fonward direction)
Flashes: Playing or Recording.

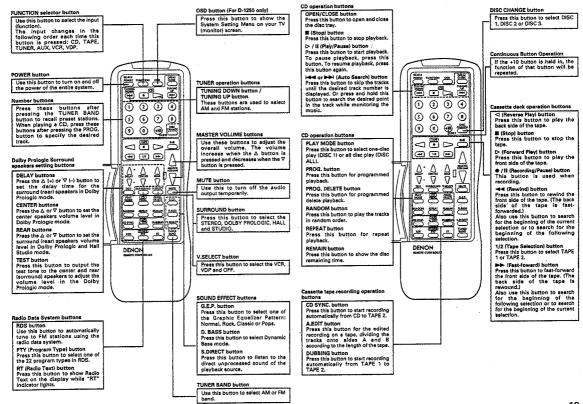
5 REC/PAUSE (# / II | button
Press # / II on the front panel to standby recording. Then the recording indicator \* of\* blinks. Press the same button again to stan terording.

7 Recording: Then the recording indicator \* of\* blinks.

0 Lights: Recording Flashes: Pause



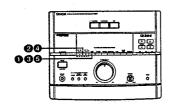
#### Remote Control Unit Part Names and Functions



#### **6 SETTING THE CURRENT TIME**

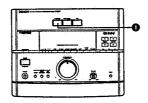
Bafore the timer-controlled functions can be used the clock must be set to the current time

#### The time is displayed in the 24-hour mode.



#### 7 HOW TO SELECT THE INPUT (AUDIO SOURCE)

You can select the Audio Source from CD, TAPE, TUNER, AUX, VCR and VDP. To listen to the audio source from AUX, VCR and VDP, these external equipment should be connected properly in advance. (See page 8)





#### Example: Setting to 19:30

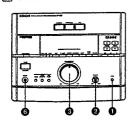
1	Press the C/T/S button.	CLOEK
2	Use the SET – or + button to set the hours.	分日 The hours place flashes.
3	Press the C/T/S button.	The minutes place flashes.
4	Use the SET - or + button to set the minutes.	19月点 The minutes place flashes.
5	Press the C/T/S button. The time display stops flashing and the clock starts running.	1930 The display stope flashing and the clock starts running from 00 seconds.

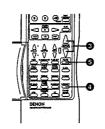
Press the FUNCTION button to select the desired input (audio source).

IN LI IN FRE IN THE PERSON OF THE THE PERSO

14

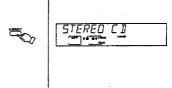
#### **8 SOUND ADJUSTMENT**





#### SOURCE DIRECT Mode

Press the S.DIRECT button on the remote control unit to the second control of the second



SOURCE DIRECT Mode is available only when STEREO Mode is selected.

#### DEMONSTRATION Mode

The demo mode demonstrates the graphic equalizer and Dolby Pro Logic features. Press the DEMO button to engage the mode and press it again to cancel it.

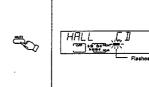
NOTE:



## MUTE

Press the remote control's MUTE button to instantly lower the volume. The "MUTE" indicator will light on the display. Prese it again to cancel the mute mode.

 Mute does not completely cancel sound dutput.
 Depending on the volume setting when engaged, some sound may still be heard.
 Mute is cancelled when the



#### Adjusting BALANCE between the left and right speakers

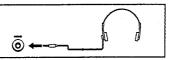
Use the BALANCE control to adjust the left and right channel balance. Turn and hold it to the left to decrease the Richannel volume, or to the right to decrease the Lichannel volume.

When set at the center position, the volume is the same for the left and right channels.



#### Connecting the Headphones

Connect headphones to the PHONES jack and adjust the volume with the MASTER VOLUME control.



NOTE:

Avoid listening with headphones at high volumes for an extended period of time, as it may affect your hearing.

Turn the MASTER VOLUME control. The volume incresses when the control is turned clockwise ( ) and decreases when it is turned counterclockwise

Adjusting the MASTER VOLUME

Turn the MASTER YOLUME control. T turned clockwise ( ) and decrease ( ). Volume can also be adjusted with MA remote control.

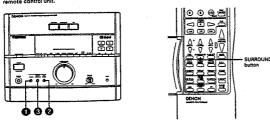


<sup>•</sup> The current time can be set even when the power is off.

#### 9 SURROUND MODE

Select one surround mode from the following mode:

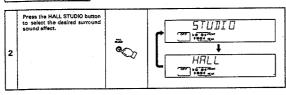
STEREO
DOLSY PRO LOGIC: NORMAL, PHANTOM, WIDE or 3CH PRO LOGIC
HALL STUDIO: HALL or STUDIO
by pressing STEREO, DOLSY PRO LOGIC, or HALL STUDIO button, or pressing the SURROUND button on the remote control unit.



#### STEREO Mode



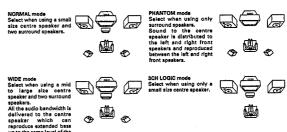
#### HALL STUDIO Mode

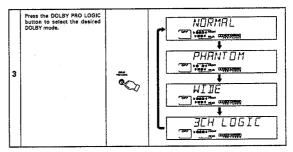


#### 10 DOLBY PRO LOGIC

#### Dolby Pro Logic Modes

There are 4 different modes which are selected according to the speaker set up that you are using. We recommend the use of DENON centre and surround speakers.





16

#### Adjusting Speaker Volume Level

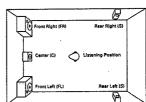
Before using Dolby Pro Logic adjust the volume level of the center and two surround speakers.

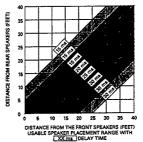
Before proceeding, use the BALANCE control to adjust the Left and Right speaker balance according to your listening position.

1	Press the DOLBY PRO LOGIC button to select the desired mode.	<b>*</b>	NORMAL PARTING WARRAN
2	Press the TEST button on the remote control unit. The "TEST" indicator will light on the display and a test tone will be output cyclically from each speaker for 2 seconds. After eititing in your normal listening position continue with step 3.		TEST TONE FL
3	Press the CENTER (Δ or ∇) or REAR (Δ or ∇) button on the remote control unit to change the volume level, 0dB (Méx.) to- 20dB (Min.).		ENTR VOL - 10 °
4	Press the TEST button on the remote control unit again to excit. The video, faser disc or CD that you want to watch or listen to can now be played back with the full effect of the Dolby Pro Logic system.		

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#### Delay Time





#### III GRAPHIC EQUALIZER OPERATION

#### G.E.P. (Graphic Equalizer Pattern)

According to the music you are listening to you can select the suitable Graphic Equalizer Pattern.

NORMAL. No additional adjustment to the volume level. Cain Cai Normal

CLASSIC Volume level of low and high frequency ranges are increased. Classic

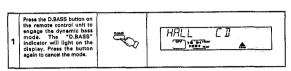
ROCK Volume level of low frequency range is increased.

lan Transport high

low -Frequency- high POPS
Volume level of low and high frequency renges are

Man off low -Frequency- high



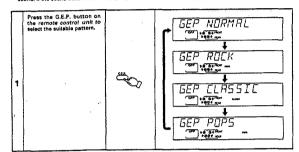


You can increase the volume level of the low frequency range by selecting Dynamic Bass mode

NOTES:

The graphic equalizer effect will not be added during recording.

When graphic equalizer frequencies are set to high levels, raising the volume excessively may result in distorted sound. If the sound becomes distorted, reduce the volume to a more appropriate level.



CLASSIC Disson (III) Normal low -Frequency- high

Dasson (II) Classic low -Frequency- high

- D:BASS button

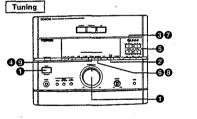
ROCK Dageon GLA Rock low -Frequency- high

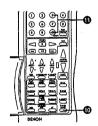
DYNAMIC BASS Mode



18

#### 12 LISTENING TO RADIO PROGRAMS





1	set the MASTER VOLUME control to the minimum position, then press the POWER button to turn on the power.	
2	Press twice the TUNER BAND button to select the FM band. (For AM band, press TUNER BAND button once.)	R FM 8800m
3	Use the TUNING (A) or (V) buttons to tune the frequency to 87.90. Once the frequency is tuned in adjust hydiums to the desired level using the MASTER VOLUME control.	This lights when a station is tuned in.

- Auto Tuning

  When one of the TUNING buttons is pressed, the frequency changes in steps of 50kHz in the FM band, 9 kHz in the

  If one of the TUNING buttons is held in for over 1 second, the frequency continues to change when the button is
  released fauto tuning) and stops when a station is turned in. Tuning will stop at stations whose reception is poor.

  To stop the subt oruning function, press the 4.0 ref y button once.

#### Presetting AM and FM Stations

4	Press the MEMORY button. The "CH" indicator flashes for 5 seconds.	Flashes Fig. F.M	8790 <sub>m</sub>
5	Use the STATION (A) or (¥) buttons to call out the number at which you want to preset the station (A3), or simply press the corresponding number button 3 on the remote control unit.	Flashes	8790 <sub>me</sub>

Press CHARACTER button.		Flashes
Press TUNING (A) or (Y) button to enter the station name (up to 8 characters). Each time you press TUNING (A) or (Y) button, character position moves to the next.		Initial position    A-Z   -(0-9) -(x/()   SPACE       O'FI
Press CHARACTER button to shift to the next digit.		
Press the MEMORY button while the "CH" indicator is fleshing.		"A3" lights "FB ABCIEF 5 Hunt. "FF 1851 hunt. "FF 1851 hunt.
	Press TUNING (A) or (Y) button to enter the station name (up to 8 characters). Each time you press TUNING (A) or (Y) button, oharacter position moves to the next.  Press CHARACTER button to shift to the next digit.  Press the MEMORY button while the	Press TUNING (A) or (Y) button to enter the station name (up to 8 characters). Each time you press TUNING (A) or (Y) button, oheracter position moves to the next.  Press CHARACTER button to shift to the next digit.  Press the MEMORY button while the

- NOTES:

   In addition to the reception frequency, the reception mode (monaural or auto) is also preset, so check the display
- NOTES:

  In addition to the reception fraquency, the reception made impossured or auto) is also present, so there is no addition to the receptions.

  When presetting settions,

  when presetting settions.

  If PS date is provided in RDS (if the settion name is provided already by the broadcaster), you cannot change the station.

  If PS date is provided in RDS (if the settion name is provided already by the broadcaster), you cannot change the station name. In preset the manny is not cleared immediately when the power cord is unplugged, but is cleared if the cord is left unplugged or an extended seriod of time. If this happens, preset the stations again.

  Station name or frequency is displayed cyclically by pressing CHARACTER button.

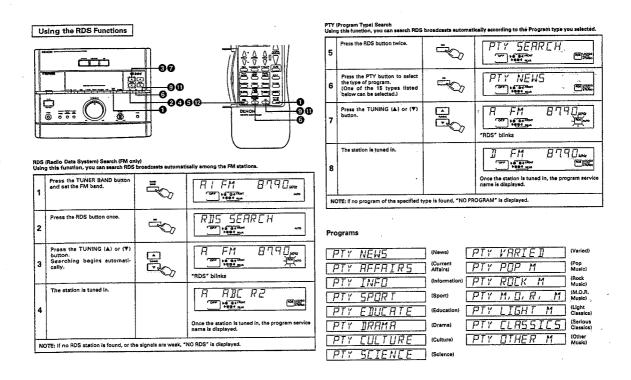
#### Listening to Preset Stations

The preset stations can be recalled using the number buttons on the remote control unit.

Also, if the following operation is performed when the system power is off, the power automatically turns on and the radio is played, (Auto on function)

Example: Listening to the station preset at number A3
(This operation is only possible from the remote control unit.)

10	Press the TUNER BAND button on the remote control unit.	-
	Press SHIFT button and the Number button to select station channel "A1-D8".	683 FM 8790mm
11	Example: Current Station: D1 Press button SHIFT: A1 Press button Number "3": A3	्राष्ट्र क्रिक्ट क्रिक्ट विकास क्रिक्ट क्रिक क्रिक्ट क्रिक्ट क्रिक्ट क्रिक्ट क्रिक्ट क्रिक्ट क्रिक्ट क्रिक क्रिक क्रिक्ट क्रिक क्रिक्ट क्रिक क्



20

RT (Radio Text) Search
Receiving RT (Radio Text) broadcasts.
If RT (Radio Text) is received while receiving RDS broadcasts, RT indicator lights.

9	Press the RT button while "RT" indicator lights.		
10	The text will scroll on the display from right to left.		Paga nya Pinga Paga nya Pinga
11	Press the RT button to exit. "RT OFF" disappears after 5 seconds		FI 0FF
NO	ortes: • "NO TEXT DATA" is displated if the RT data is long and displayed on your unit.	yed when there is no It takes a several sec	text data broadcasted. onds to receive a frame of the date, " " may b

Receiving FM programs in stere

- Press the FM MODE selector button to turn on the "AUTO" indicator. When a program being broadcast in stereo
   is received, the "STEREO" indicator lights and the program is received in stereo.
- is received, the "STEREO" Indicator lights and the program is received in stereo.

  If reception is poor and there is much noise in the stereo signals, press the FM MODE selector button to s

NOTE:
 A humming sound may be heard when using a TV nearby while receiving AM programs. If this happens, move the system as far from the TV as possible.

CT (Clock Time)
Clock is displayed according to the ADS clock data.

Press the ADS button 3 times.

Press the RDS button 3 times.

Press the RDS button 3 times.

RIS SEARCH

FTY SEARCH

Show the current time for 5 seconds.

NOTE: "NO CT DATA" is displayed when there is no clock broadcasted.

#### 13 BEFORE RECORDING AND PLAYING TAPES

#### About Cassette Tapes

- spe slack; it may get caught in the rechanism and damaged. Take up any slack in the acceptaint a pencil, etc., before loading the cassette.



- Preventing accidental erasure
  Casactre tapes have tobs for preventing accidental
  erasure. Use a crewariors, etc., to break off the tobs
  erasure. Use a screwariors, etc., to break off the tobs
  erasure. The accordings from being accidentally
  erasure.
  To record on a tape whose tabs have been broken,
  place a piace of cellophane tape, etc., over the tab
  holes.



- Notes on storing basestie tapes
  Avoid placing cessate tapes in the following types
  of places:

  Hot or humid places

  Hot or humid places

  Dusty places

  Outly places

  Hot or humid places

  Hot or humid places

  Hot or humid places

  Hot or humid places

  Outly places

  Hot or humid places

  Next magnetic sources (TVs. speakers, etc.)

  Store cessette tapes in cases with stoppers to
  prevent the tape from getting slack.





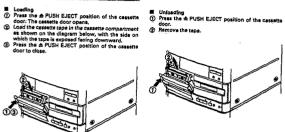
Buttons pressed and direction of tape travel **◆** or **◆ ▶** or **▶** 

**10** 9

#### Loading and Unloading Cassette Tape

Load cassette tapes with the side on which the tape is exposed facing downward, Loading them the other way may result in damage.





2. Are the accidental erasure protection tabs broken off?

Recording is not possible if the accidental erasure protection tabs on the top of the cassette are broken off, Refer to Page 22.

### Auto Tape Selector Mechanism

These decks are equipped with an auto tape selector mechanism which uses the detection holes in the cessette halves to detect the type of tape and automatically set the most appropriate recording bias and equilifaction for that type of tape.

• Do not use ferrichrome tapes.
• When an old metal tape with no detection holes is used, the trable will be stressed excessively, so use metal tapes with detection holes that the tent of the trable will be stressed excessively, so use metal tapes with detection holes in



#### 22

#### Using the Auto Reverse Function

These decks are squipped with an auto reverse function, so the tape can be played or recorded on both sides or played continuously without removing the casestle.

Direction of tape travel
These dack are equipped with two play buttons, one
for the forward direction (from side) and one for the
reverse direction (back side). If the button for the
opposite direction is pressed during playback,
playback switches to the other side.

The front side is the side facing toward you when the tape is loaded in the cassette compartment.

- Single-sided recording/playback mode (  $\infty$  ) Use this to record or play only the front or back side. (The stop mode is set automatically when the and of that side of the tape is resched.)



Double-sided recording/playback mode ( (ZC.) )
In this mode, when the end of the front side of the tape is resched during recording or playback, the tape automatically switches to the back side end playback or recording continues.

Recording mode: The stop mode is set automatically when the end of the tape on the back side is reached. Playback mode: Playback continues until the stop button is pressed. (The tape deck stops automatically efter having played 16 times both side A and B.



Continuous play mode ((22), RELAY)
In this mode, playback continues until the stop button is pressed, (The tape deck stops automatically after having played 8 times both side A and B.)

TAPE 1

TAPE 2



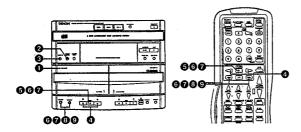
#### Using the Tape Counter

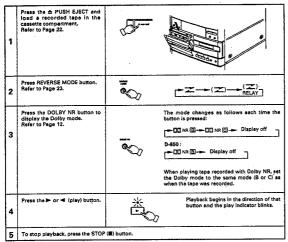
Tape counter
 The tape counter indicates the tape's elapsed time as the continuous number.



- The counter is reset to "0000" when the COUNTER RESET button is pressed.
   If you make notes on the number on the counter and the recorded content while recording or playing tapes, these notes can be used to easily find the section you want to play or record.

#### 14 PLAYING CASSETTE TAPES



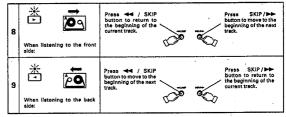


#### Fast-forwarding and Rewinding Press the STOP (E) button **20**9 PQ 209 ⇔ When listening to the from side: (when ● is blinking) Press the STOP (m) button 凿 PO PQ 209 $\Rightarrow$ side: (when • is blinking)

To fast-forward or rewind the tape, first press the STOP (■) button, then press the ◄◄/SKIP or SKIP/▶➤ button

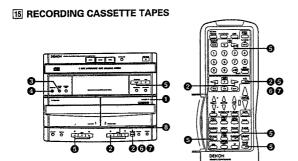
#### Using the Music Search Function (automatically finding the beginning of the track)

■ Use this function to move back to the beginning of the current track or forward to the beginn

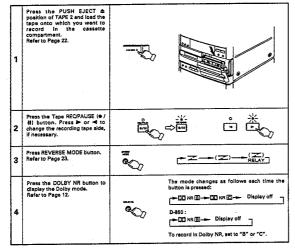


The Music Search function will work only when there are blank sections provided at least 4 seconds by tracks.

If lightning or other event temporarily shuts down the power supply white a cassette tape is playing, the
cassette deck will stop operating. Even if you press the ₱ or ◄ (play) button after that, the tape will work but
you will not her any eound.
In this case, you should first press the STOP (■) button. Then press the ₱ or ◄ (play) button and the deck
will work normally again.



- Before recording on a cassate tape, check that its accidental erasure protection tabs are intact. Recording is not possible if the tabs are broken off.
   The positions of the MASTER VOLUME and DYNAMIC BASS controls do not affect the recording.



	Recording from Radio (air check)	Recording from TAPE 1 (Dubbing)	Recording from CD
	Press the TUNER BAND selector button.	Load the source tape in TAPE 1.  Press the DUBBING button on the remote control unit.	Load a disc in the CD player. Refer to Page 26.  Press PLAY MODE button on the remote control to select DISC ALL o
_			Press CD SYNG, button on the remote control unit.
5		The "DUB" indicator lights up in the display. Recording from	
	Tune in the station to be recorded, Refer to Page 19.	TAPE 1 will start automatically. OR	"CD SYNC" appears in the display and recording from the CD will star automatically.
_	Press the Tape REC/ PAUSE (# / II) button.	(B) Press the FUNCTION button to select TAPE mode. Press the Tape REC/PAUSE (● / II) button. Then press TAPE 1 ► or ◄ (play) button.	OR  (ii) Press the FUNCTION button to select CD mode. Press the Tepe REC PAUSE (iii) button. Then press
6			CD PLAY/PAUSE ( /II) button.
	Recording from the radio will start.	Recording from TAPE 1 will start.	Recording from CD will start.
7	To pause the recording press the Tape REC/PAUSE (e / II) button.		To stert the recording again, press the Tape REC/PAUSE • / II button again.
8	To stop the recording, pre	ss the TAPE 2 STOP (B) button.	

- NOTES:

  PAUSE function does not work when Dubbing or CD SYNC mode is used. To use PAUSE function, start recording with the alternative operation described as @ above.

  The CD SYNC function will not work if the CD player is set to the play mode.

  Recording from TAPE 1

  in the case of @, regardes of DOLBY NR mode if the source tape in TAPE 1 has been recorded with DOLBY B (or C), then the Mark 2 will be duplicated with DOLBY B (or C).

  NR matching to the tope.

  But, the tape in TAPE 2 will be duplicated with DOLBY B (or C).

  But, the tape in TAPE 2 will be duplicated with DOLBY B.

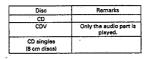
#### 16 PLAYING CDs

#### About Compact Discs



Only discs with the mark shown left can be played on the CD player.

- For CDVs, only the audio part is played. (the video part is not played.)
- Removing discs from their cases As shown on the diagram, grasp the outer edge of the disc with your fingers, insert a finger in the center hole, press gently, then lift the disc out of the case.



Be sure to load the disc with the labelled side facing up. (Compact discs only play on one side.) For 8 orr COs, set the disc in the sunken section in the center of the tray.



- NOTES:

   The disc tray opens when the OPEN/CLOSE ( ≥ ) button is pressed once and closes when it is pressed again.
   Gently pressing the centre of the disc tray will also close it automatically. Do not push on the tray will let its revolving as this may demage it.
   The disc tray can also be closed by pressing the PLAY/PAUSE ( ► III ) button, in which case playback automatically starts from the first track on the disc (or if tracks are programmed, from the first programmed track).

Handling the Disc Tray

Do not turn off the power, stop the disc tray by hand or pull on it when it is moving. Doing so may damags it. If the headphones cord or some other object accidentally get caught in the disc tray while it is closing and the disc tray stops, press the OPENICLOSE (£ ) button again to open the tray and remove the obstacle.

Do not set objects other than discs on the disc tray, Doing so may damage it.

- CAUTION!

  Only load or replace CDs on the two forward disc holders. Do not try to force a CD into the back disc holder as this will cause the CD to become jammed resulting in malfunction and /or damage to the system.

  Make sure that CDs are properly placed in the disc holders.

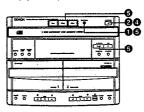


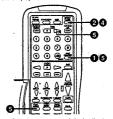


- Do not load more than one disc into the disc holder. It may cause damage
   Beware of your finger being trapped by the CD tray during closing.
   Do not load CDs which is cracked, distorted or repaired with the adhesive

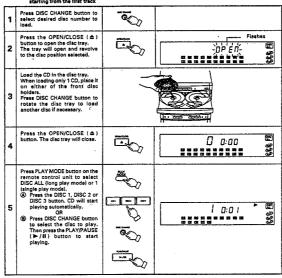
Normal Playback

The CD player's disc tray can be loaded with 1, 2 or 3 CDs for extended CD playback.

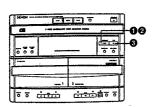




Example: Playing a disc containing 15 tracks and with a playing time of 52 minutes, 03 seconds in the disc 1 tray, starting from the first track

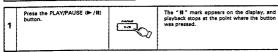


26

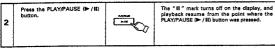




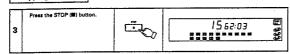
#### Interrupting Playback Temporarily



#### Resuming Playback



#### Stopping Playback



- NOTE: When you try to play and no disc is loaded, if the disc is upside down, or if the data cannot be read properly
due to scratches or dirt, the display reads as shown below and the disc will not play.

nodisc

#### Various Playback Functions

- In addition the normal playback, the unit also offers the following playback functions:
- 1. DIRECT SEARCH : Playing a specific track



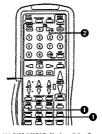
- Example: Playing the 8th track

  1. Press the button corresponding to the number of the track 8. "9 sppears on the track number display and playback of track number 8 begins.

  When the end of the track is resched, playback atops.

  To enter the track number bigger than 10.
- Example: Track No. 15 Track No. 20 Track No. 23 Press [+10] and [5] Press [+10], [+10] and [0] Press [+10], [+10] and [3]
- 2. 1-DISC REPEAT : Playing all the tracks of 1-Disc repeatedly

(Using the remote control unit)

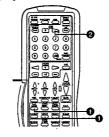


- 1. Salect 1-Disc play mode " "" y pressing PLAY MODE on the remote control unit. When the REPEAT button is pressed, "cc." appears on the display and the silt-track repeat mode is set.

  2. Press the D/II (Play/Pause) button to start playback.

- playback.
  To cancel the 1-Disc repeat mode, press the REPEAT button to turn the "a" indicator off.
  If the REPEAT button is pressed during programmed playback, the tracks are played repeatedly in the programmed order.

3. ALL-DISC REPEAT: Playing all the di (Using the remote control unit)



- 1. Select Ali-Olsc play mode " To by pressing PLAY MODE on the remote control unit, When the REPEAT button is pressed," or " appears on the display and Ali-Diac repeat mode is set.

  2. Press the D-III (PlayPlayes) button to start playback.

  To cancel the Ali-Olsc repeat mode, press the REPEAT button to run the "or indicator off." In the PLAY button to run the "or indicator off." in programmed playback, the tracks are played repeatedly in the programmed order.

- When the REMAIN button is pressed before playback, the total playback time of programmed tracks is displayed
- Other operations possible during programmed playback:

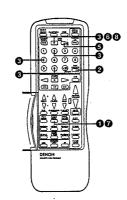
  Such operations as quick search, pause and skip monitor are also possible during programmed playback.

  For the quick search function, press the submatic/manual search reverse I+4 button to move to the beginning of the track, then, press it again while the time display reads "0:00" to move back to the beginning of the preceding track.

  To move ahead to the beginning of the next track, press the automatic/manual forward >>> button, regardless of the time display.

NOTES:

The numbers of the programmed tracks on the music calendar turn off after the tracks have been played.
With this CD player, up to 20 tracks with any track number between 1 and 99 can be programmed.



1	With the CD player in stop mode, press PROG, button on the remote control unit, and "PROG" will appear in the display.	[] P - 00
2	Repeatedly press DISC CHANGE button on the remote control to select the desired disc in the CD tray.	\$\tag{\text{\text{\$\phi\$}} \text{\$\phi\$} \te

D' 5p-01 9 993 .12 p - 02 (EF) P-2-CCC E 30 p- 03 6-6-6-6-Press ▷ /II on the remote control or PLAY/PAUSE (► /II) on the front panel. (Care **▶** (SE) 5 0:01 # 999 666 Press # (stop) on the remote control unit or STOP (#) on the front panel once.

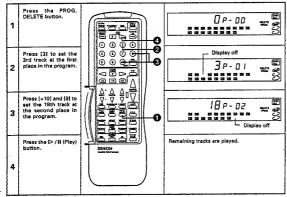
NOTE:

Programme steps will be 30 p- a3 OTE:
Programme steps will be cleared if you press or STOP
(M) more than one time. \*\*\* \*\*\* \*\*\* 3 @ (E) 5 P-01 **3**0 1<u>2</u> e- oz (m) 3<u>0</u> p - a3 # 999 9099 with the CD player in stop mode, repeatedly or continuously press (stop) on the remote control unit or STOP (iii) on the front ઉદેહ શિ 35 52: 16 

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(This operation is only possible from the remote control unit)

Example: Programming not to pisy 3rd and 18th tracks, using a CD containing 18 tracks and with a playing time of 62 minutes, 03 seconds.



You can programme up to 20 undesired tracks not to play from DISC 1 to 3.

6. RANDOM PLAYBACK : Playing the tracks in random order

About play mode in random play

Random play in ALL-DISC play mode:
All the tracks of each disc will be played in random order, starting from the disc you selected to the last disc.

When select DISC 2 in ALL-DISC mode:

DISC 1 - DISC 2 - DISC 3 STOP DISC 2 - DISC 3 STOP

DISC 3 STOP When select DISC 3 in ALL-DISC mode:

Rendom play in 1-DISC play mode: All the tracks of the disc you selected will be played in random order.



With the set in CD mode, press RANDOM button on the remote control unit. Then "RANDOM" eppears in the display. To cancel random play, press \$\mathbb{B}\$ (stop) button on the remote control unit or \$TOP (\$\mathbb{B}\$) or the front panel. "RANDOM" diseppears in the display.

NOTE:

When you want to helt random play without cancelling the play, press D // If on the remote control unit or PLAY/PAUSE (> /II) on the front panel.

TIPS:

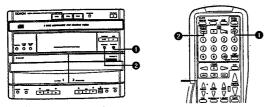
• Pressing ►→ or ►→ /►→ makes the random play take a step forward.

• Pressing RANDOM button renews the random play.

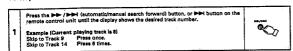
- The total remaining time cannot be displayed during the random playback mode.
  The random playback mode cannot be set during one transport of the random playback mode.
  If you press RANDOM button while PROGRAM mode is selected, the PROGRAM mode will be cancelled and the RANDOM mode will star.

#### **■** D-1250/850 **■**

QUICK SEARCH: Moving ahead to the desired track during playback.
 You can skip the tracks to the desired track number during playback.



#### To skip the tracks forward



#### To skip the tracks backward

Example (Current playing track is 8) Skip to Track 7 Press twice. Skip to Track 2 Press 7 times.
--

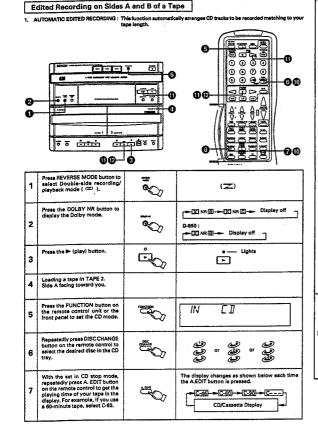
8. SKIP MONITOR: Finding a certain spot on the disc while listening to the sound.

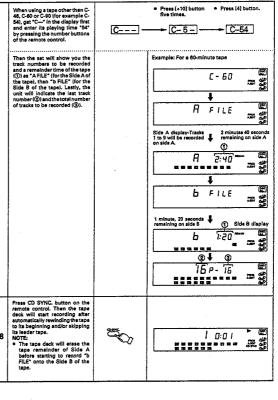
#### To skip forward while listening to the sound

1	Frees and hold down the Per / Per leavement/manual search forward) button, or Per leavement on the remote control unit until you find the dealer de point. When you release the button, the play speed resumes to the normal speed. The track currently being monitored and the elapsed time for that track are indicated on the display.	

#### To skip backward while listening to the sound

Press and hold down the Ind / de (sutomatic/meanus) search reversel button on the remate control unit unit you find the desired point. When you button, the plus pased resumes to the normal speed.  The track currently being monitored and the elepsed time for that track are in the display.	ase the





#### 2. CONTINUOUS EDITED RECORDING: You can record from more than one disc onto a t

9	When the last track of the disc has been recorded in the Auto Edit recording, both the CD player and tape deck stop and the Continuous Edit indicator the Continuous Edit indicator display. Replace the disc with another one. Then the unit arranges tracks to be recorded onto the remainder of the taps.		Light Plashes
10	Repeatedly press DISC CHANGE on the semote control, or press control, or press control or press can be controlled to the control of the contr		
11	Press⊡/II on the remote control or PLAYPAUSE (►/II) on the front panel to start Continuous Edit recording.  NOTE:  Pressing CD SYNC. button cannot start Continuous Edit Recording.	D.	10:01
	When the tape remainder is not enough for recording any track of the disc, "no File." appears in the display. In this case, try a different disc, or press the cassette deck stop button (#) on the remote control or STOP (#) on the front panel to cancel the Continuous Edit recording.		noFILE .

12	Press the caseatic deck stop button (III) on the remote control or TAPE 2 stop button (III) on the front panel.  NOTE:  When you press the CD player stop button (III) on the armote control or STOP (III) on the front panel, the Auto Edit recoording is ennelled butthen recoording is ennelled butthen cased the second unrecorded interval. Press the caseatic deck stop button (III) on the remote control or TAPE 2 stop button (III) on the front panel if you want to cancel the recording tand-by status.			-	
----	---	--	--	---	--

- The Auto Edit recording function records up to 20 tracks, selecting from the first track to the 23rd track within a disc. If a disc has more than 23 tracks, the rest of the tracks are ignored.

  In the edited recording mode, it is programmed to that the remaining time of the tape becomes minimum and the last programmed track may be out of line on both side. If you want to make serial track recording this case, use the CD SYNC. button after stopping the seldited recording mode. Refer to Page 25.

  Losd the cessette tape onto which you want to record in the cassette dock with side Ageing toward you before starting the editing procedure. The tape is automatically wound to the beginning before recording starts.

  Visit thing mode is cancelled when the CD player's STOP (IB) button is pressed.

  Visit thing mode is cancelled when the CD player's STOP (IB) button is pressed.

  Visit the very of the tape is sightly longer than the disc's total paying time. It may not be possible to record all the tracks on sides A and B because of the combination of tracks to be recorded on the different sides of tape.

  When recording on an already recorded tape, if the tape is longer than the new recording, the previous recording will remain at the and of side B, ao areas the tape before starting.

  Blank sections of 4 seconds are automatically created between all the selections to make it easier to search for selections on the tapes recorded on this system. Since this differs from the sculal time between tracks on the CD, the displayed time and the actual remaining time on the tape and the actual remaining time on the tape and the actual time between tracks on the CD, the displayed time and the actual remaining time on the tape and the actual time between tracks on the CD, the displayed time and the actual remaining time on the tape actual.

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#### 17 USING THE TIMER

The time and timer play function are incorporated in the TUNER, the CD and the TAPE. Timer record function is only incorporated in the TUNER.

#### Timer Operation

Types of timer operations
TIMER : Use this to turn the power on and off at the same times every day.

SLEEP TIMER : Use this to set the power to turn off after 15 minutes, 30 minutes, 45 minutes, 1 hour, 1 hour 15 minutes and 1 hour 30 minutes, (operated from the front panel).

- Notes on timer settings

   Be sure to set the current time beforehand.

   To listen to or record a radio program ("sir check") using the timer, be sure to preset the station beforehand. (Refer to "Presetting AM and FM Stations" on Page 19.1

   The timer-play/recording can activate only when the set is in power standby.

  When you enter the same settings of time both for turning on and off, the timer function is also cancelled.

#### Power Failures

Should there be a power failure or should the power cord be unplugged, the time display will flash at "->--". If this happens, reset the current time.

Also check the timer and tuner presetting and reset them if they have been cleared.

#### Checking the Settings

To check the timer settings, press the C/T/S button twice. Then on and off time will be shown on the display.

#### Changing the Settings

Repeat the timer setting operation to erase the previous settings and set the new settings.

#### Note on Settings the Timer

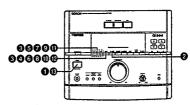
If the time set with the timer is reached while the system power is on, the operation does not switch to the operation set by the timer.

#### Turning the Timer off

Press the T.MODE button to "OFF" mode.

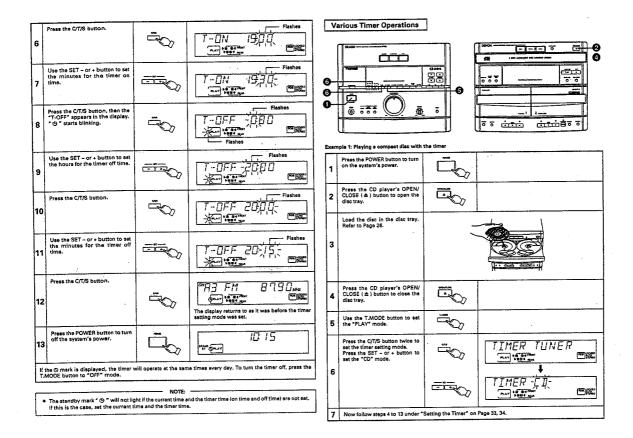
#### Setting the Timer

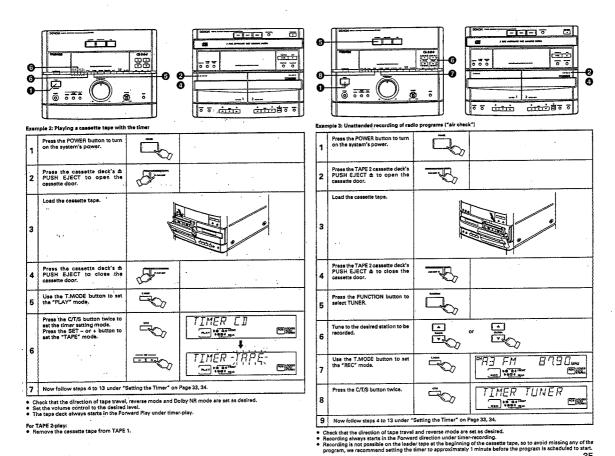
The power can be set to turn on and off every day at the same time in any of three modes: TUNER, CD, TAPE and air check (recording from the tuner). (Preset the AM or FM station beforehand.)



Example: Setting the tuner to turn on at 19:30 (7:30 pm), off at 20:15 (8:15 pm) (with FM 87:90 MHz preset at

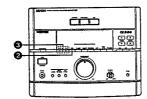
	channel "A3")		
1	Press the POWER button to turn on the system's power.	ido	#### 8790mx
2	Use the T.MODE button to set the "PLAY" mode.	il 🌣	CHR3 FM 8790 Link
3	Press the CIT/S button twice to set the timer setting mode.  Press the SET - or - button to set the "TUNER" mode.		TIMER []  TIMER - TIME
4	Press the C/T/S buttons, then "T-ON" appears in the display.		Fleshes  T   N   -   -   -   -   -   -   -
5	Use the SET - or + button to set the hours for the timer on time.		Flashes  T - ON - OF O





#### Setting the Sleep Timer

Use this function to turn the system's power off automatically.
The turn off time can be set for 15 minutes, 30 minutes, 45 minutes, 1 hour, 1 hour 15 minutes and 1 hour 30 minutes from the present time.



Example: Setting the power to turn off in 45 minutes (operate from the front panel)

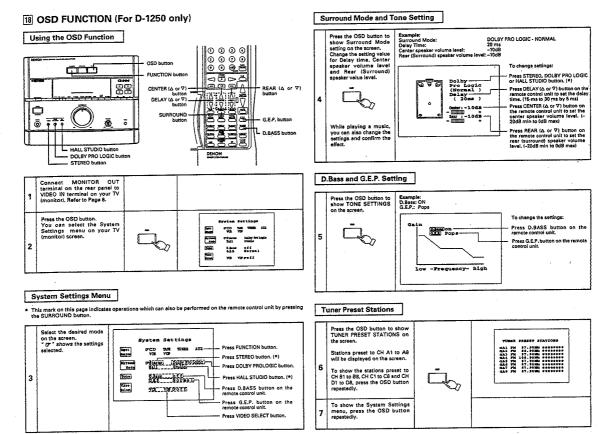
	ple, Setting and personal setting are setting as a setting and personal setting and personal setting are setting as a se		
1	Tuner currently set to FM 87.90 MHz.		
2	Press the C/T/S button three times. Then the sleep timer indicator "SLEEP" blinks in the display.	\$ B	SLEEP GOOD
3	Use the SET - or + button to set the sleep timer to "0:45".		SLEEP G45
4	The previous display reappears after 5 seconds. The "SLEEP" indicator remains lit, indicating that the sleep timer is functioning.		Flashes

To cancel the sleep timer, reset the sleep timer to "0:00" by following the operation steps 2-3. Then the indicator
 "SLEEP" will disappear in 5 seconds.

---- NOTES:

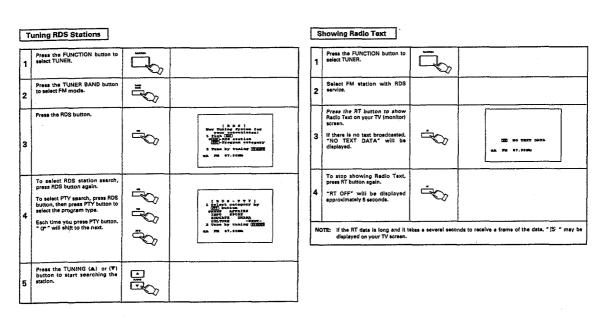
While the timer is on, sleep timer is not available.
 If the timer play or recording is set when the sleep timer is turned off, but it has reached the timer time, the timer operation does not start.

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#### ■ D-1250/850 ■

#### TEST Mode Presetting AM and FM Stations To test the Center and Rear (Surround) spo Press the FUNCTION button to select TUNER. Press the DOLBY PRO LOGIC button to select the suitable mode. **2** TOWER V/077 CD V/OFF Tune the station by pressing the TUNING (▲) or (♥) button. Press the MEMORY button. Salost the preset channels by Mill and Stables Illian Shows the speaker being tested. Yest Select the stations by pressing the STATION (♠) or (♥) button, or SHIFT and Number buttons on the remote control unit. GA1 PM 07.2035 00847001 Press the MEMORY button to ( Storing Stations ) The setting has been stored. GAS PM 87.50Mm escences



#### **19 OTHER INFORMATION**

#### Cleaning the Heads

- If the cassette deck's heads are dirty, tapes cannot be played or recorded with good sound quality. To take full advantage of all the performance this cassette deck has to offer and ensure good quality sound, clean the heads periodically after approximately 10 hours of use, using a commercially evaliable cleaning cassette.

- NOTE: Some commercially available cleaning cassettes are highly abrasive and may damage the heads. Avoid using such cleaning cassettes.

#### Demagnetizing the Heads

- The heads become magnetized after they have been used for an extended period of time or if they are exposed to a magnetic object.

  If the heads are magnetized, use a commercially available cassette-type head demagnetize to demagnetize them.

#### Cleaning Discs



Dust, fingerprints or spit on the disc will result in noise or skipping. If the disc is dirty or if the CD player does not operate properly, use the following procedure to clean the disc:

• Hold the disc with the signal surface (the side opposite the labelled side) facing up, as shown in the

- wiegram.
  Wipe the disc gently from the center towards the edge (in the direction of the arrow) with a soft cloth.

On not wips discs in the direction opposite the errow or in a circular motion as with regular records.
 The disc's signal surface is easily damaged, so do not wipe it with a hard cloth or rub it strongly.

#### 20 SPECIFICATIONS

Reception sensitivity:

FM: 87.50 MHz – 108.00 MHz AM: 522 kHz – 1611 KHz FM: 1.5 µ/75 QJohms AM: 530 µV/m 35 d8 (1 kHz) Quartz lock daily timer (Timer-Sleep/Play/Rec)

FM stereo separation:

Amplifier
Rated output power (Stereo):

Reted output power (Dolby Pro Logic):

D-1250: 50 W /channel (6 ohms, 65 Hz-15 kHz, THD 1.0%)
D-850: 35 W /channel (6 ohms, 65 Hz-15 kHz, THD 1.0%)
Front L/R: D-1250: 50 W × 2
D-850: 35 W × 2
Centre: D-1250: 50 W × 2
D-950: 35 W × 2
D-950: 35 W × 2
D-1250: 15 W × 2

CD player Wow & flutter: Sampling freque Optical source: S/N ratio: Unmeasurable 44.1 kHz Semiconductor 90 dB

Cassette deck

4-track 2-channel stereo auto reverse cassette deck TAPE 1: Playback TAPE 2: Recording/Playback 4.75 cm/s 0-1250: Dolby 8 and C NR 0-850: Dolby 8 Mr. Normal, chrome and metal Tape speed:

- Maximum dimensions include controls, jacks and covers.
   (W) = width, (H) = height, (D) = depth
- For improvement our poses, specifications and functions are subject to change without advanced notice.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
   "DOLBY" and the double-D symbol [X] are trademarks of Dolby Laboratories Licensing Corporation.

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#### 21 TROUBLESHOOTING

When the following once more before assuming there is a problem with the system.

1. Are connections proper?

2. Is the system being operated as explained in the operating instructions?
If the system does not assem to be operating properly, check as shown on the table below. If none of these checks apply to the problem, the system may be mailtunctioning. Disconnect the power cord immediately and contact your store of purchase.

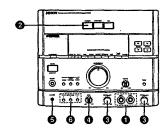
	Symptom	Cause	Countermeasure	Page
	Power does not turn on when power switch is pressed.	Power cord is not plugged into a power outlet.	Plug the power cord securely into an outlet,	7
General	No sound is produced from the speakers.	MASTER VOLUME control is turned down.     Headphones are connected.     Speaker cords are not securely connected.	Set the control to an appropriate position. Disconnect the headphones. Connect securely.	5, 11 5, 11 7, 8
	No treble sound is produced, or the position of the instruments is unclear.	● Speaker polarities ( ⊕ and ⊕ ) are inverted.	Connect the speaker cords properly.	7, 8
	A source other than the desired one is heard.	Function is not properly set.	Set the desired function using the FUNCTION button.	5, 11
	Recording does not start when REC/PAUSE button is pressed.	No cassette tape is loaded.     Accidental erasure protection tabs are broken off.	Load a cassette tape.     Cover the tab holes with cellophane tape.	22 22
e deck	Sound is broken or no sound is produced during recording and playback.	Heads are dirty,     Cassette tape is defective.	Clean the heads.     Replace the cassette tape.	40
Cassette	Humming sound is heard while playing cassette tapes.	Noise from a TV.     (Noise may be produced by some types of TVs.)	Mover the TV away from the system.     Turn the TV off.	6
	Wow (shaky sound) is heavy during recording or playback.	Capstan or pinch rollers are dirty.	Clean them.	40
	Hissing sound is heard in FM programs.	Antanna direction is poor.     Signals from the broadcast station are weak.	Change the direction of the antenne. Install an outdoor antenna.	9
Tuner	Hissing sound is heard in AM programs.	Noise from a TV or interference from a broadcast station.	Turn off the TV off. Change the direction of the loop entenna.	:
	Humming sound is heard in AM programs.	<ul> <li>Signals on the power cord are being modulated by the power source frequency.</li> </ul>	Insert the power cord in the opposite direction.	·
	Disc is not played.	Olso is losded upside-down. Disc is not of the specified type.  Olso is not of the specified type.  Olso is not of the specified type.		26 40
	Nothing happens when operating buttons are pressed.	Disc is loaded upside-down.     Foreign object on disc tray.	Reload the disc.     Remove the disc and the foreign object.	26 26
D player	Disc stops in the middle of a track and will not play properly.	Disc is dirry.     Disc is scratched.	Clean the disc.     Replace with an unscratched disc.	40
8	Sound is broken.	Dirt, fingerprints, spittle, etc. on disc.	Clean the disc.	40
		<ul> <li>Disc is scratched.</li> <li>Pisyer is in unstable place and vibrates strongly.</li> </ul>	Replace with an unscratched disc.     Place the player in a stable place with no vibrations.	:
Ì	Humming sound is heard when disc is played.	<ul> <li>Signals on the power cord are being modulated by the power source frequency.</li> </ul>	insert the power cord in the opposite direction.	•

The set may not operate properly due to such external influences as lightning or static electricity. If this happens, either turn off the power with the POWER button or unplug the power cord, well approximately 5 seconds, than plug the power cord back in.

	Symptom	Cause	Countermessure	Page
CD player	"Err" is displayed.	CD changer does not operate properly.	Press OPEN/CLOSE button to open the CD tray. Remove all the discs and press OPEN/CLOSE button to close the tray. If the tray does not open when you press OPEN/ CLOSE button, contact your store of purchase.	

#### **Asia Model Only**

#### 12 KARAOKE FUNCTION



#### Mixing Microphone

Two microphones (not supplied) can be connected to this unit, allowing you to sing along w Use a microphone with a standard plug (s8.3 mm). Before connecting a microphone, set the MIC VOLUME-1 or MIC VOLUME-2 control to MIN.

1	Connect your microphone to the MIC-1 or MIC-2 jack.	ŌŌ	
2	Press the FUNCTION button to select the source to mix and play the source.		
3	Adjust the microphone volume with the MIC VOLUME-1 or MIC VOLUME-2 control respectively.	Ø Ø	
4	Adjust the echo with the ECHO control.	<b>©</b>	

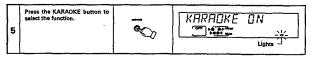
refer to "RECORDING CASSETTE TAPES" on page 25 for

NOTE:

• Howling occurs when the microphone is brought too near to the speaker. Move the microphone away from the speaker or turn down the MASTER VOLUME, MIC VOL-1 or MIC VOL-2 control if howling occurs.

#### KARAOKE Function

The KARAOKE function reduces the sound level of middle and high range sounds. Since a singer's voice falls effected range, the KARAOKE function allows you to turn ordinary sound sources into Karaoke sources. Si instrumental parts fall within the KARAOKE function range, their sound levels with be similarly reduced. For some sources such as vocal with echo effect, chorus, five music, etc., KARAOKE function may not work principle.

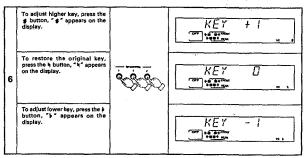


If you use the music software, (dual-sound recorded CD or TAPE) whose vocal position it the procedure below:

Turn KARAOKE mode to OFF, Press KARAOKE button if KARAOKE is turned on.

Turn the BALANCE control left until the vocal sound is removed, if the vocal sound in control right.

#### KEY CONTROL Function



- NOTES:

  If you access one of the KARAOKE Function while DOLBY PRO LOGIC mode is selected, the mode will be into STEREO mode automatically.

  If the SURROUND button on the remote control is pressed while the microphone is inserted, the mode changed as follows:

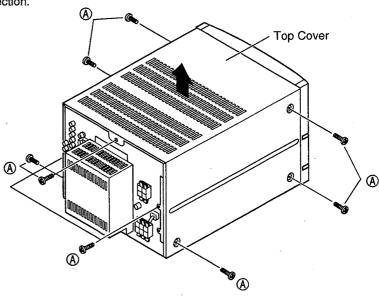
If you insert the microphone when the DOLBY PRO LOGIC mode is selected, OSD display on your TV (monitor) will not be changed. (For D-1250 only)

### **DISASSEMBLY**

## TUNER-AMPLIFER SECTION

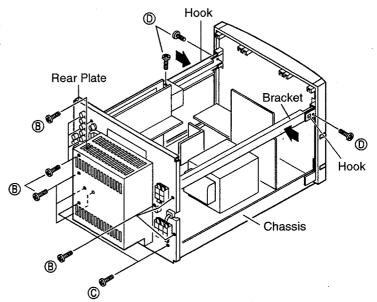
#### 1. Top Cover

Remove 9 screws (A) from rear side and both sides, then detach the Top Cover as shown in the arrow direction.



### 2. Rear Plate

- 1) Remove 12 screws ® fixing the Rear Plate.
- 2) Remove 2 screws © mounting on the chassis.
- 3) Remove 3 screws (1) mounting on the Bracket.
- 4) Undo 2 Hooks and detach the Rear Plate.

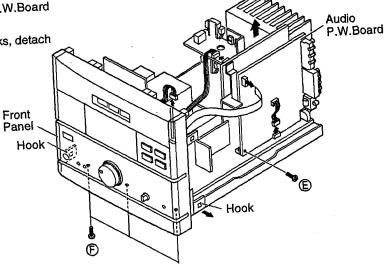


## 3. Front Panel and Audio P.W.Board

1) Disconnect the connectors as shown in figure.

2) Remove a screw (E) and detach the Audio P.W.Board as shown in the arrow direction.

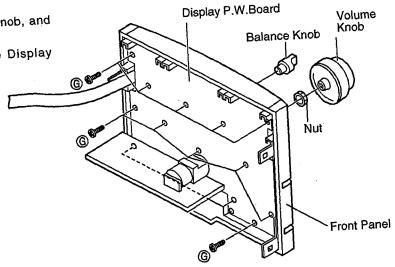
3) Remove 3 screws ( ). While undoing 2 Hooks, detach the Front Panel.



## 4. Display P.W.Board

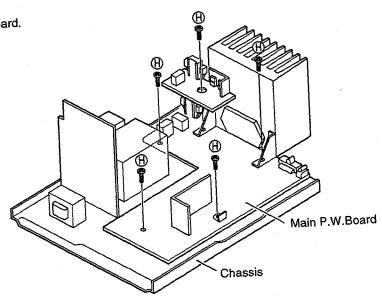
1) Pull out the Balance Knob and Volume Knob, and remove a Nut.

2) Remove 14 screws (6) and detach the Display P.W.Board.



## 5. Main P.W.Board

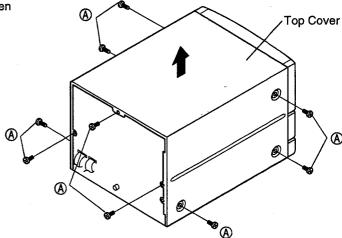
Remove 5 screws (f) and detach the Main P.W.Board.



#### **CD PLAYER-CASSETTE DECK SECTION**

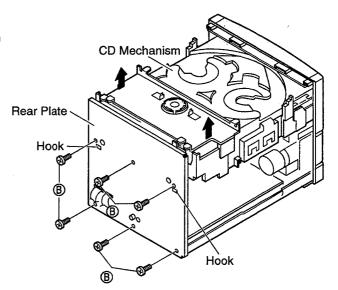
#### 1. Top Cover

Remove 9 screws (A) from rear side and both sides, then detach the Top Cover as shown in the arrow direction.



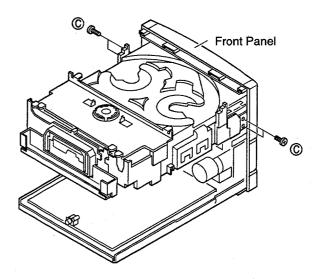
#### 2. Rear Plate

- 1) Remove 6 screws (B) fixing the Rear Plate.
- 2) Lift the CD Mechanism as shown in the arrow direction and undo 2 Hooks, then detach the Rear Plate.



### 3. CD Mechanism

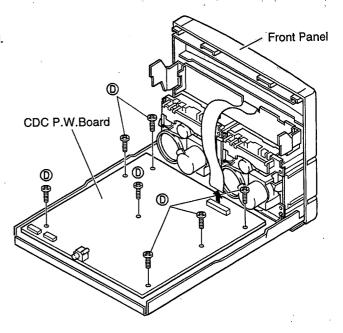
Remove 4 screws @ and detach the CD Mechanism.



### 4. CDC P.W.Board

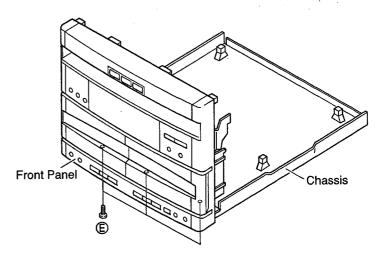
1) Disconnect the connector as shown in figure.

2) Remove 7 screws (1) and detach the Main P.W.Board.



#### 5. Front Panel

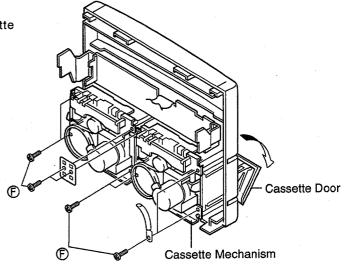
Remove 3 screws (E) and detach the Front Panel.



### 6. Cassette Mechanism

1) Open the Cassette doors as shown in figure.

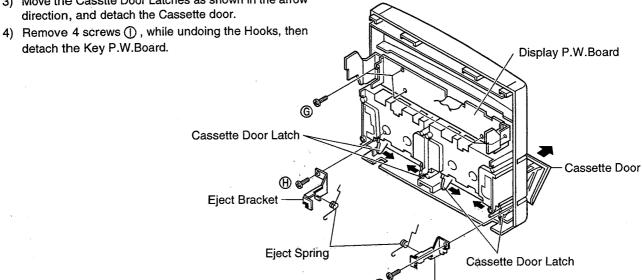
2) Remove 8 screws (F) and detach the Cassette Mechanism.

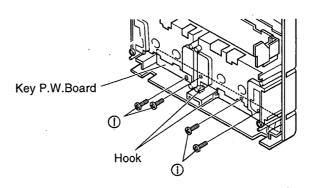


## 7. Display P.W.Board and Key P.W.Board

- 1) Remove 5 screws @ and detach the Display P.W.Board.
- 2) Remove 2 screws (H), the Eject Bracket and Eject Spring.

3) Move the Casstte Door Latches as shown in the arrow direction, and detach the Cassette door.



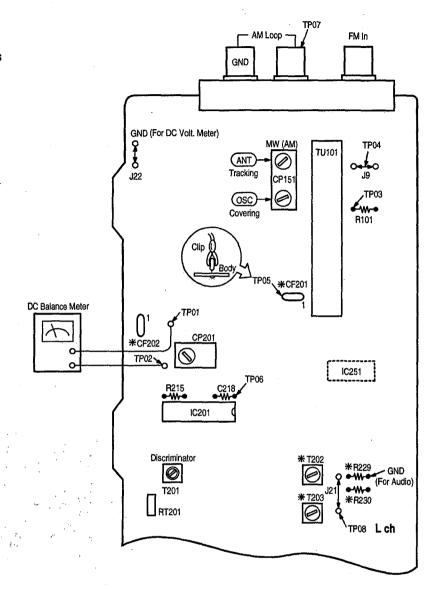


Eject Bracket

### **ADJUSTMENT**

#### **TUNER SECTION**

1. Adjustment Points



#### 2. FM Section

Item No.	Adjustment Items IF Waveform	Input Terminal CF201 (TP05)	Output Terminal Tuner Out (TP08)	<del></del>		Frequency All band Note 1.
Item No.	Adjustment Items	Input Terminal	Output Terminal	Frequency	Adjusting Par	t Reading
2	Discriminator	FM Ant. 60 dBµ 1 kHz mod. 22.5 kHz Dev.	TP01 TP02		T201	0 ±20mV
3	Sensitivity of Locked Ind.	FM Ant. 21 dBμ 1 kHz mod. 22.5 kHz Dev.	TP08	98 MHz	RT201	Locked Ind. Just ON

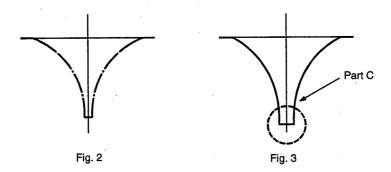
#### **AM Section**

Item No.	Adjustment Items	Input Terminal	Output Terminal	Frequency	Adjusting Part	Reading
1	IF Waveform	P101 (TP07)	(TP06)	(Genescope)	(CP201)	Note 1
2	MW Covering		TP08	522 kHz 530 kHz	CP151	Note O
3	MW Tracking	Loop Antenna	1200	603 kHz 600 kHz	CP 151	Note 2

Note 1: Since the "IF Waveform" has been adjusted already by the maker during delivery of the AM IFT, it is not necessary to adjust it.

However, if the adjusted point deviated by mistake, readjust it in the following procedure:

(1) When the signal from the signal generator is weak, make adjustment until the waveform becomes maximum and symmetrical as shown in Fig. 2. Increase the output of the sweep generator and adjust the waveform until the width of part C becomes as flat as possible.



- (2) For the MW covering and Tracking adjustment, follow the procedure shown below.
  - (a) Connect a DC voltmeter to TP. 4. (MW).
  - (b) Adjust CP151 (MW OSC) until the value shown in the following table is obtained.

	MW (A	AM)
	E2, EK, E1 (*1)	E3 (*1)
Lower limit frequency	522 kHz	530 kHz
Reading of voltmeter	1.33 V	1.33 V

Note 2: Initially, set the input level to 74 dB  $\mu$ /m.

As the adjustment advances, reduce the input level to the minimum level required (approx. 60 dB  $\mu$ /m), and repeat the adjustment until the maximum output is obtained at the specified frequency.

Tracking: Since the trimmer capacitor is omitted, adjustment at the upper limit frequency is not required.

#### **Reference Voltage of Covering**

		Speci	fication	
Band Frequency	Limit (V)	Average (V)	Note	
	87.5 MHz	1.3~3.7	1.5	For E2, EK (*1)
	108.0 MHz	6.0~9.0	8.1	POI E2, EK (+1)
	87.5 MHz	1.3~3.7	2.1	For E1 (*1)
FM	108.0 MHz	6.0~9.0	8.5	FOI ET (*1)
	87.9 MHz	1.3~3.7	2.1	For E3 (*1)
107.9 MH	107.9 MHz	6.0~9.0	8.48	FOI E3 (*1)
MW 1611 ki (AM) 530 ki	522 kHz	1.25~1.45	1.33	For 9 kHz spacing
	1611 kHz	6.4~9.0	7.2	(E2, EK, E1) (*1)
	530 kHz	1.25~1.45	1.33	For 10 kHz spacing
	1710 kHz	6.4~9.0	7.2	(E3) (*1)

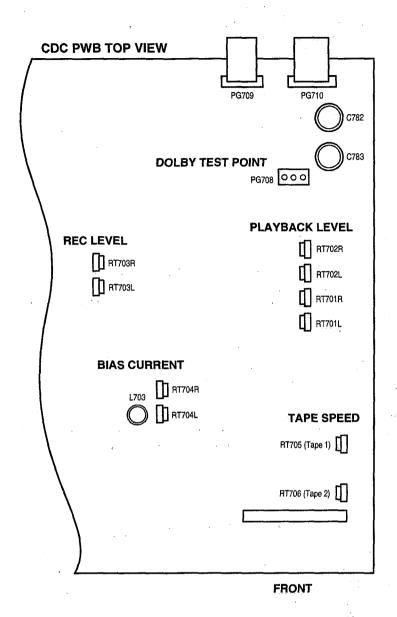
Note (\*1): E2: Europe model

EK: U.K. model E1: Asia model

E3: U.S.A. and Canada models

#### **CDC SECTION**

#### 1. Adjustment Points



#### 2. Tape speed adjustment

input	Adjustment value	Adjustment position
Tape speed adjustment tape (TCC-112)	3000 ±10Hz	RT705: tape1 RT706: tape2

Note: Perform the speed adjustment in this order.

Perform the adjustment in the FWD mode as reference and confirm the speed in RVS is within ±1.5% (2955~3045) with respect to FWD.

#### Adjustment procedure

Connect the frequency counter to the Dolby rest point (PG708).

Press the play key and apply heating for 20 minutes or more and apply cooling down less than 30 seconds. Play the adjustment tape and adjust the tape speed at the center of the tape.

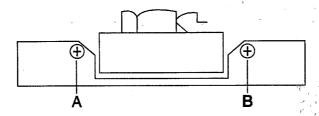
#### 3. Play & Rec/Play head angle adjustment

Input	Adjustment value	Adjustment position
Angle correction tape (TCC-154)	MAX output	Head angle adjustment screw

#### Adjustment procedure

Connect the electronic voltmeter to the Dolby test point (PG708) and play the angle correction tape in FWD and RVS mode and adjust. Adjust screw A in FWD mode, and adjust acrew B in RVS mode. If the maximum value of both channels are different and the difference is more than 2dB match the value of R channel to L channel by re-adjustment. Adjust the phase in both channels so that the phase is within ±45° in both channels.

Note: Be sure to stop after turning the screw in tightening direction. (Backlash may occur with the screw.)



#### 4. Playback output adjustment

		the second secon
Test tape	Output	Adjustment value
Dolby standard tape (TCC-130)	300mV ±0.5dB	RT702L : Tape1 Lch RT702R : Tape1 Rch RT701L : Tape2 Lch RT701R : Tape2 Rch

#### Adjustment procedure

Connect the electronic voltmeter to the Dolby test point (PG708), and play the Dolby standard tape (TCC-130). Adjust RT701L/R and RT702L/R so that the reading of the voltmeter is the above value (Adjust only in FWD mode).

#### 5. Recording level adjustment

I	Input	Output	Mode	Adjustment position
	AUX	Dolby test point PG708	REC → PLAY	RT703L (Lch) RT703R (Rch)

#### Adjustment procedure

Input 400Hz, 300mV-10dB (at PG708) signal to AUX.

Adjust RT703L and RT703R so that the output level at the Dolby test point (PG708) is within –10dB ±0.5dB when this signal is recorded and playback with Type 1 tape (Normal Position).

#### 6. Bias current procedure

Input	Output	Mode	Adjustment position
AUX	AUX Dolby test point PG708	REC → PLAY	RT704L (Lch)
7.07.			RT704R (Rch)

#### Adjustment procedure

Input 1.25kHz/12.5kHz, 300mV-23dB (at PG708) signal to AUX.

Adjust RT704L and 704R so that the difference of play outlevel of 12.5kHz from that of 1.25kHz is within +2dB~0dB (target Value +1dB) when these signals are recorded and played back with Type 1 tape (Normal Position).

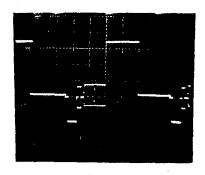
### **OSD SECTION (D-1250 only)**

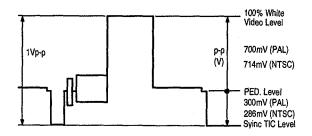
#### 1. Measurement Equipment for Adjustment

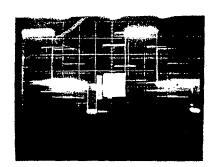
- (1) Frequency counter.
- (2) Oscilloscope (Frequency Band Range ~100MHz)
- (3) NTSC & PAL Pattern Generator
- (4) Multi Typed TV for NTSC & PAL (Should be completed measurement of TV section)

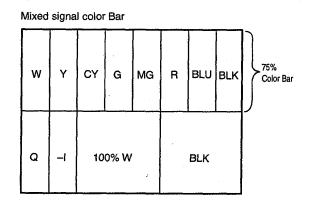
#### 2. Pre-setting of output level of Pattern Generator

Set to 1Vp-p (at 75 ohm Terminate) output level of pattern generator. Following as below.

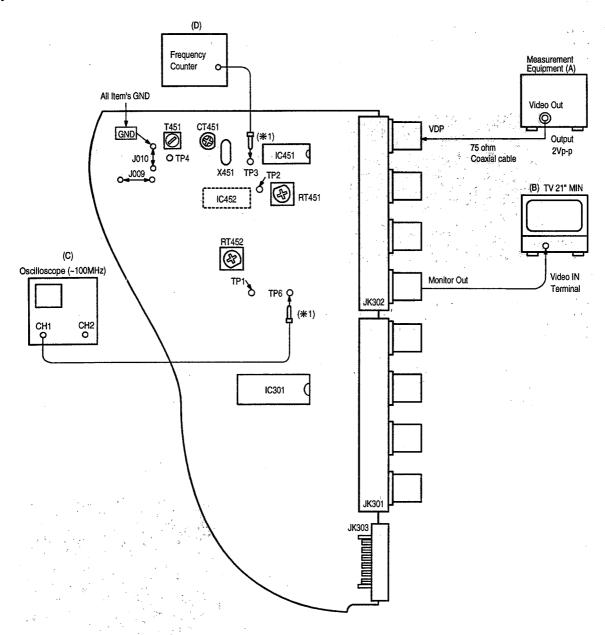








## 3. Adjustment Points



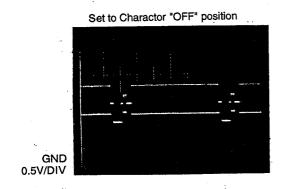
Note: (\*1) Should be use by 1/10 attenated of Prove.

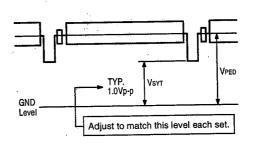
### 4. Adjustment

4-1. Clamp level of Video Signal

Match the level output from the IC452 #17 (VBSO, TP6) pin in the external video signal mode with that in the internal video signal mode.

(1) Internal Video signal





(2)

Adjusting clamp level	(External Video si	gnal)	
Input terminal & signal	Output terminal	Adjustment point	Adjustment
(1) VIDEO IN "VDP" Terminal  (2) Video signal * Color pattern generator "Color Bar" NTSC & PAL	TP6 (1) Connected oscilloscope	RT451	Adjust to same level #(1)  GND  GND  O.5V/DIV

Note1: The internal video signal level of the IC is set by the applied voltage to the VCNT (IC'S #18) pin and "Character1 Background Luminance Level Control Command" from System Microcomputer IC603. This model is seted as follows.

VCNT (#18)	Output level control	Internal video signal	Sync. chip level (Vsyr)	Podestal level (VPED)
Pin Voltage 5V	Selects 2Vp-p	Amp. level 2Vp-p	1V (0.8~1.2)	1.58V (1.06~2.1)

★ VDD 5V tip, VSYT & VPED: Typ. value

Note2: If the clamp level of the composite video signal input to the IC not match the internal video signal level of the IC, the luminance level of character and background in the external video signal mode becomes different from that in the internal video mode.

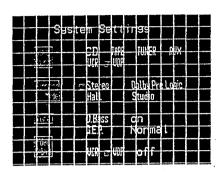
#### 4-2. AFC Circuit

This IC is equipped with an AFC circuit (Hsync). In addition, also equipped with VCO used for the AFC circuit. The oscillation frequency (free run) of this VCO must match the frequency of Hsync.

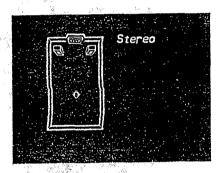
(1) Input Terminal & signal	Output terminal	Adjustment point	Adjustment
(1) Video IN "VDP" Terminal (2) Signal "Color Bar" of Color Pattern Generater NTSC & PAL	TP1 (CH1) TP2 (CH2) Oscilloscop use CH1 & CH2	RT452	TP2 Hsync Color Burst Color Burst  (SSIN) 2.8 µs ± 0.1 µs  Adjust so that this period comes  2.8 µs ± 0.1 µs after the falling edge of Hsync.
			TP1: 2V/DIV TP2: 0.5/DIV  1 μs/DIV

(2) After adjustment, take off the test probe etc. from test point of the set.

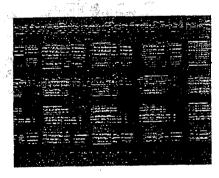
Check the character [press the OSD key "cyclical"] on screen with external video signal input. No good condition of follows.



Example Case 1
"Warp" & "Fluctuation"



Example Case 2 "Warp"



Example Case 3
Get out of the character

**4-3. Position of Character on Screen Note:** Before starting this ITEM, check or adjust the position of Test pattern (TV alignment) on screen to be centered.

		<u> </u>		and the second s
#	Input Terminal & signal	Output terminal	Adjustment point	Adjustment
1	Set to the function "VDP",	video select "VDP".	·	i de la companya del companya de la companya de la companya del companya de la co
2	Video input "VDP"     Signal color pattern generater	Video "Monitor Out" TV set NTSC & PAL	RT451 (* 1)	example NTSC Model (1) Select "TUNER PRESET STATIONS" by OSD key. (2) Adjust to center line edge of "9".
•				
	Cen	ter Position		Center Position
	Cer	ater Position		TUNER PRESET STATIONS  GA1 FTI 87 9 Hb *******  GA2 FTI 89 9 Hb *******  GA3 FTI 97 9 Hb ******  GA6 FTI 87 9 Hb ******  GA7 FM 87 9 Hb *****  GA8 FTI 87 9 Hb *****  Single Cross Hatch
		7	** ** ** ** ** ** **	#AL FY 87 9 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

(米 1) Should be used special driver for adjustment.

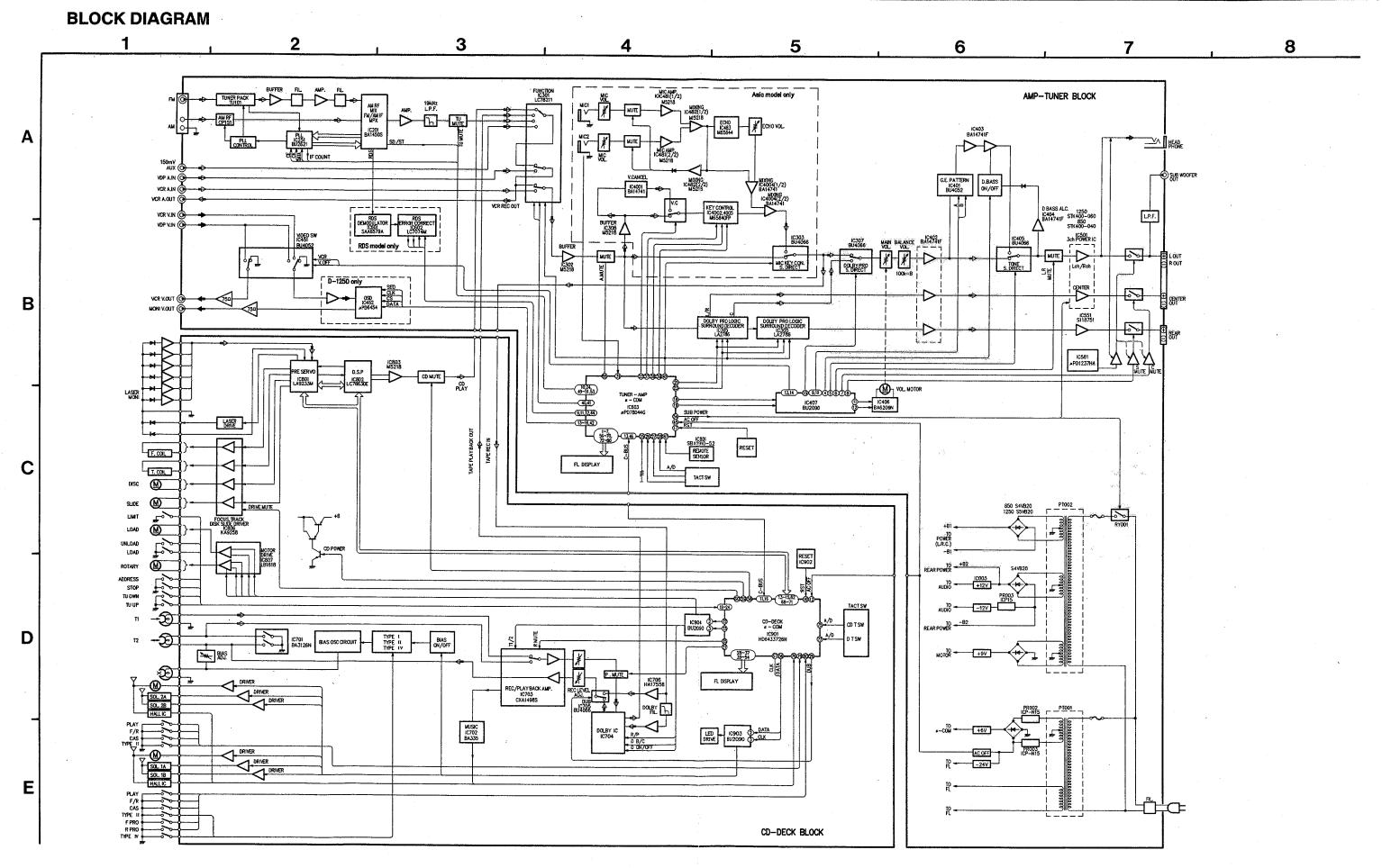
## 4-4. Oscillation Frequency Adjustment

- 1. Set to the set to "OSD TEST" mode.
  - (1) Set the set to power standby by pressing [POWER ON/STANDBY].
  - (2) On the front panel, first press and hold the [OSD] button and press [POWER ON/STAND BY].
  - (3) Turn the set to OSD TEST mode Indicated "OSD TEST ON" for a few seconds on FL panel.
- 2. Connected to the TV set to Video Monitor out and set to blue backed on screen (No indicated character).

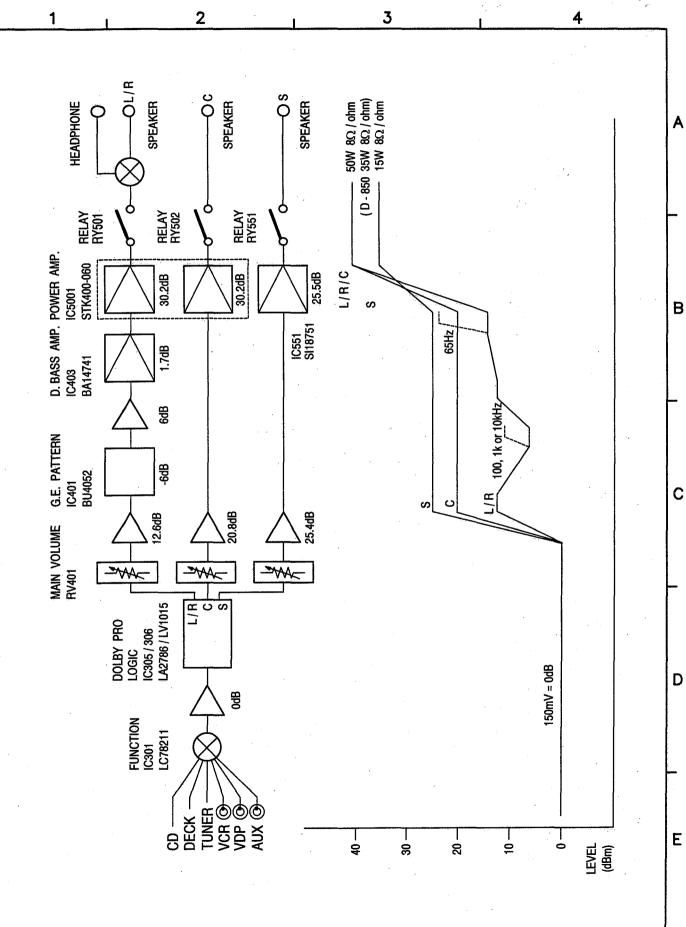
#### 3. Adjustment

	**						
#	Adjustment ITEMS	Output terminal	Adjustment point		Adjustn	nent	
<b> </b>	Crystal oscillation	TP3 Frequency		- E3	NTSC	14.31818 MHz ±30 Hz	
1	frequency	Counter	Counter CT451		PAL	17.734476 MHz ±30 Hz	
	LC Oscillation	(TP4)				acter on screen" is prior	
2	Frequency (Reference)	Frequency counter	(T451)	to this adjustment. (Reference 6.5 xxx MHz~7.xxx MHz)			

4. Press the [POWER ON/STANDBY], turn to off and TEST mode is clear.

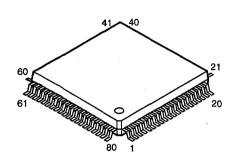


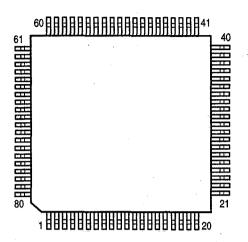
# **BLOCK AND LEVEL DIAGRAM**



## **SEMICONDUCTORS**

## ● IC's HD6433726C97H (IC901)



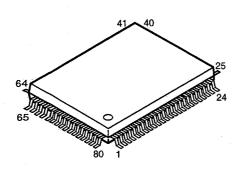


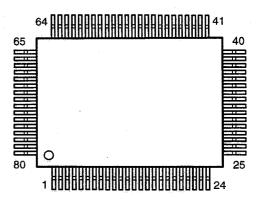
HD6433726C97H (IC901) Terminal Function

100	13372009711 (1	CCCI, TOITH	141				
Pin No.	Symbol	Port Name	1/0	Function			
1	PROT F/R SW	P06/AN6	Ī	A/D input signal for REC Protect FWD SW/REC Protect RVS SW of deck 2 mechanism.			
2	DLBY SEL	P07/AN7		DOLBY B/BC shifting signal (L: BC, H: only for B).			
3	AVSS	AVSS		Ground for analog.			
4	TEST	TEST	1	Test terminal (connect to Vss).			
5	X2	X2	0	32.768 kHz oscillatory circuit terminal.			
6	X1	X1		32.768 kHz oscillatory circuit terminal.			
7	vss	vss		Ground.			
8	OSC1	OSC1	1	BMHz ceramic oscillator connecting terminal for main system clock oscillatory circuit.			
9	OSC2	OSC2	0	Main system clock oscillatory circuit terminal.			
10	RESET	RES	1	Reset input signal (L: Reset).			
11	CBUS IN	P10/IRQ0		Data input for C-BUS communication.			
12	PWRDWN	P11/IRQ1	ŀ	AC power supply datecting input signal.(L: power down, H: power OK).			
13	WRQ	P12/IRQ2		Stand-by OK input signal from sub-code Q output of signal processor IC (equal to SCOR/SENS).			
14	DRF	P13/IRQ3	1	RF level detecting input signal from servo IC (equal to FOK) (H: Focus OK, L: Focus NG).			
15	FSEQ	P14/IRQ4	ı	Synchronous signal detecting input from signal processor IC (equal to GFS) (H: Lock OK, L: Lock NG).			
16	CBUS OUT	P15/IRQ5/T	0	Data output for C-BUS communication, normally H.			
17	NC	P16/EVENT	1/0	Non connection.			
18	STOP SW	P33/FS27	1	Stop SW input signal of changer mechanism. (H: no stop position, L: stop position).			
19	ADRS SW	P32/FS26	I	Address SW (position SW) input signal of changer mechanism.			
20	TUUP SW	P31/FS25	ı	Traverse mechanism up SW input signal of changer mechanism (H: no up, L: up).			
21	TUDWN SW	P30/FS24	1	Traverse mechanism down SW input signal of changer mechanism (H: no down, L:down).			
22	LOAD SW	P47/FS23	1	Close SW input signal of changer mechanism (H: no close, L: close).			
23	UNLOAD SW	P46/FS22	ı	Open SW input signal of changer mechanism (H: open, L: no open).			
24	LMTSW	P45/FS21	1	Inner circle limit SW input signal of pick-up (H: no inner circle position, L: inner circle position).			
25	RMUTE	P44/FS20	0	Deck record mute output signal. (H: mute ON, L: mute OFF).			
26	DUB	P43/FS19	0	Deck dubing shifting output signal (H: no in the DUB, L: in the DUB).			
27	PBMUTE	P42/FS18	0	Deck playback mute output. (H: mute ON, L: mute OFF).			
28	SEG15	P41/FS17	0	FL display tube segment output.			
29	SEG14	P40/FS16	0	FL display tube segment output.			
30	SEG13	P50/FS15	0	FL display tube segment output.			

Pin No.	Symbol	Port Name	1/0	Function
31	SEG12	P51/FS14	0	FL display tube segment output.
32	SEG11	P52/FS13	0	FL display tube segment output.
33	SEG10	P53/FS12	0	FL display tube segment output.
34	SEG9	P54/FS11	0	FL display tube segment output.
35	SEG8	P55/FS10	0	FL display tube segment output.
36	SEG7	P56/FS9	ō	FL display tube segment output.
37	SEG6	P57/FS8	0	FL display tube segment output.
38	VDISP	P17/VDISP	<del>-</del>	-30V FL power supply.
39	SEG5	P60/FD0/FS7	o	FL display tube segment output.
40	SEG4	P61/FD1/FS6	0	FL display tube segment output.
41	SEG3	P62/FD2/FS5	0	FL display tube segment output.
42	SEG2	P63/FD3/FS4	0	FL display tube segment output.
43	SEG1	P64/FD4/FS3	0	FL display tube segment output.
44	G1	P65/FD5/FS2	0	FL display tube grid output.
45	G2	P66/FD6/FS1	0	FL display tube grid output.
46	G3	P67/FD7/FS0	0	
47	G4	P70/FD8	0	FL display tube grid output.
48	G5	P71/FD9	0	FL display tube grid output.
49		P72/FD10		FL display tube grid output.
	G6		0	FL display tube grid output.
50	G7	P73/FD11	0	FL display tube grid output.
51	G8	P74/FD12	0	FL display tube grid output.
52	G9	P75/FD13	0	FL display tube grid output.
53	G10	P76/FD14	0	FL display tube grid output.
54	G11	P77/FD15	0	FL display tube grid output.
55	VCC	VCC	_	+5v power supply.
56	EX2 DATA	P80	0	Data output to extended output IC2.
57	EX2 CLK	P81	0	Clock output to extended output IC2.
58	CDMUTE	P82	0	CD audio mute output signal (H: mute OFF, L: mute ON).
59	CDPWR	P83	0	CD circuit power supply ON/OFF output signal (H: power ON, L: power OFF).
60	DRVMT	P84	_	Mute output signal to CD driver IC (H: mute OFF, L: mute ON).
61	NC	P85	_	Not used.
62	XRST	P86	9	Reset output signal to signal processor IC/servo IC (H: normally, L: Reset).
63	COMSYNC	P87	9	Not used.
64	COMREQ	P90/PWM		Not used.
65	COMCLK	P91/SCK1	0	Not used.
66	VDATA	P92/SI1		Not used.
67	CDDATA	P93/SO1	0	Not used.
68	CQCK	P94/SCK2	0	Clock output to signal processor IC/servo IC.
	SUBQ	P95/SI2/CS	0	Sub-code Q data input from signal processor IC.
70	DATA	P96/SO2	0	Data output to signal processor IC/servo IC.
71	RWC	P97/UD	0	Read/Write output to signal processor IC/servo IC.
72	EX1 DATA	PA0	0	Data output to extended output IC1.
73	EX1 CLK	PA1		Clock output to extended output IC1.
74	AVCC	AVCC	-1	Analog +5V power supply.
75	CD TACT	P00/AN0		A/D input signal from CD tact button.
76	REEL1/2/M	P01/AN1		A/D input signal from T1 REEL/T2 REEL/MUSIC of deck mechanism.
77	TAPE TACT	P02/AN2		A/D input signal from tape tact button.
78	TACT	P03/AN3	1	A/D input signal from other tact button.
79	T1 SW	P04/AN4	1	A/D input signal from FR SW/PLAY SW/CAS SW of deck 1 mechanism.
80	T2 SW	P05/AN5	T.	A/D input signal from FR SW/PLAY SW/CAS SW of deck 2 mechanism.

## μPD78044AGF-213-3B9 (IC603)



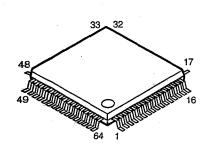


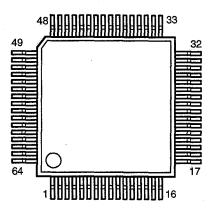
μPD78044AGF-213-3B9 Terminal Function

μΡυ	8044AGF-213-3	De leilinie	21 1				
Pin No.	Symbol	Port Name	1/0	Function			
1_	G7	P94/FIP6	0	FL display tube grid output.			
2	G6	P93/FIP5	0	FL display tube grid output.			
3	G5 I	P92/FIP4	0	FL display tube grid output.			
4	G4	P91/FIP3	0	FL display tube grid output.			
5	G3	P90/FIP2	0	L display tube grid output.			
6	G2	P81/FIP1	0	L display tube grid output.			
7	G1 1	P80/FIP0	0	L display tube grid output.			
8	V <sub>DD</sub>	VDD		+5V power supply.			
9	RDS CLK	P27/SCK0		Clock input signal from RDS IC.			
10	PLL IFCNT	P26/SO0/SB1		Data input signal from PLL IC.			
11	RDS DATA	P25/SI0/SB0	1	Data input signal from RDS IC.			
12	RDS RST	P24/BUSY	0	Reset output signal to RDS IC (L: Reset).			
13	OSD SDE	P23/STB	1	Synchronous detecting input signal from OSD IC.			
14	OSD CLK	P22/SCK1	0	Clock output signal to RDS IC.			
15	OSD DATA	P21/SO1	0	Data output signal to OSD IC.			
16	OSD CS	P20/SI1	0	Chip selecting output signal to RDS IC.			
17	RESET	RESET		Reset input signal (L: Reset).			
18	EX DATA	P74	0	Data output signal to output extended IC.			
19	EX CLK	P73	0	Clock output signal to output extended IC.			
20	AVss	AVss		Ground for A/D converter.			
21	DLBY EN	P17/ANI7	0	Enable output signal to DOLBY IC.			
22	VC ONOFF	P16/ANI6	O	ON/OFF output signal to vocal cancel IC (L: ON, H: OFF).			
23	DLBY CLK	P15/ANI5	0	Clock output signal to DOLBY IC.			
24	SD I	P14/ANI4	ı	Tuning and stereo A/D input from tune IC.			
25		P13/ANI3	١	Tune input signal for selecting user's country.			
26	TACT3	P12/ANI2		Tact button input signal.			
27	TACT2	P11/ANI1	1	Tact button input signal.			
28	TACT1	P10/ANI0	١	Tact button input signal.			
29	AVDD /	AVDD		Analog +5V power supply for A/D converter.			
30	AVREF /	AVREF		Reference voltage input for A/D converter.			

Pin No.	Symbol	Port Name	1/0	Function
31	MIC	P04/XT1	ı	MIC input signal in existence/no existence from MIC jack. (H: with no MIC input signal, L: MIC input signal in existence.)
32	(NC)	X2		Non connection.
33	Vss	vss	1=	Ground.
34	X1	X1	1	4.19 MHz ceramic oscillator connecting terminal for main system clock oscillatory input.
35	X2	X2	<u> </u>	4.19 MHz ceramic oscillator connecting terminal for main system clock oscillatory output.
36	SELIN	P37	<u> </u>	System selecting scan input signal (L: mute ON).
37	A THU	P36/BUZ	0	Analog through/key control circuit shifting signal. (L: through, H: key).
38	KARA CLK	P35/PCL	0	Clock output signal to KARAOKE IC.
39	KARA XLT	P34/TI2	0	Latch output signal to KARAOKE IC.
40	FUNC STB	P33/TI1	0	Strobe output signal to function IC.
41	FUNC CLK	P32/TO2	0	Clock output signal to function IC.
<b></b>		<del></del>		
42	FUNC DATA	P31/TO1	0	Data output signal to function IC, Key control IC and DOLBY IC.
43	CBUS OUT	P30/TO0	0	Data output signal for C-BUS communication.
44	RDS START	P03/INT3/CI0		Not used.
45	PWRDWN	P02/INTP2	1	AC power supply detecting input signal (L: power supply down).
46	CBUS IN	P01/INTP1		Data input signal for C-BUS communication.
47	REM IN	P00/INTP0/TI0		Remote control input signal.
48	IC	IC		Internal connecting terminal (connect to Vss).
49	PLL CLK	P72	0	Clock input signal to PLL IC.
50	PLL DATA	P71	0	Data output signal to PLL IC.
51	PLL CS	P70	0	Chip selecting output signal to PLL IC.
52	VDD	VDD		+5V power supply.
53	TMUTE	P127/FIP33	0	Tuner mute output signal (H: mute ON).
54	SUBPWR	P126/FIP32	0	Power supply circuit ON/OFF output signal (H: power supply ON).
55	AMUTE	P125/FIP31	0	Function mute signal (L: mute ON).
56	SEG15	P124/FIP30	0	FL display tube segment output.
57	SEG14	P123/FIP29	0	FL display tube segment output.
58	SEG13	P122/FIP28	0	FL display tube segment output.
59	SEG12	P121/FIP27	0	FL display tube segment output.
60	SEG11	P120/FIP26	0	FL display tube segment output.
61	SEG10	P117/FIP25	0	FL display tube segment output.
62	SEG9	P116/FIP24	0	FL display tube segment output.
63	SEG8	P115/FIP23	0	FL display tube segment output.
64	SEG7	P114/FIP22	0	FL display tube segment output.
65	SEG6	P113/FIP21	0	FL display tube segment output.
66	SEG5	P112/FIP20	0	FL display tube segment output.
67	SEG4	P111/FIP19	0	FL display tube segment output.
68	SEG3	P110/FIP18	0	FL display tube segment output.
69	SEG2	P107/FIP17	0	FL display tube segment output.
70	SEG1	P106/FIP16	0	FL display tube segment output.
71	VLOAD	VLOAD		-30V FL power supply.
72	G16	P105/FIP15	0	FL display tube grid output.
73	G15	P104/FIP14	0	FL display tube grid output.
74	G14	P103/FIP13	0	FL display tube grid output.
75	G13	P102/FIP12	0	FL display tube grid output.
76	G12	P102/FIP12	0	FL display tube grid output.  FL display tube grid output.
77	G12	P100/FIP10	0	
		<del></del>		FL display tube grid output.
78	G10	P97/FIP9	0	FL display tube grid output.
79	G9	P96/FIP8		FL display tube grid output.
80	G8	P95/FIP7	0	FL display tube grid output.

## LA9233M (IC801)



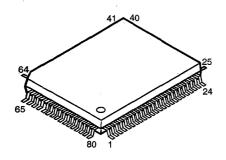


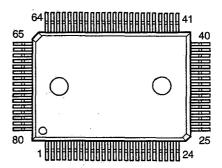
#### LA9233M Terminal Function

LA92	33M Terminal	<u> Fun</u>	ction
Pin No.	Symbol	1/0	Function
1	FIN2	1	Connect with pick-up photo diode.
2	FIN1	ı	Connect with pick-up photo diode.
3	E		Connect with pick-up photo diode.
4	F	_	Connect with pick-up photo diode.
5	ТВ	1	TE signal DC component input.
6	TE-	1	Connect TE signal gain setting resistor between TE terminal.
7	TE	0	TE signal output terminal.
8	TESI	L	TES (Track Error Sence) comparator input.
9	SCI	- 1	Shock detecting input.
10	TH	1	Setting for time constant of tracking gain.
11	TA	0	TA Amplification output.
12	TD-	1	Setting for tracking phase compensating constant between TD and VR terminal.
13	TD	0	Setting for tracking phase compensation.
14	JP	1	Setting for kick pulse amplitude of tracking jump signal.
15	то	0	Tracking control signal output.
16	FD	0	Focusing control signal output.
17	FD-	1,	Setting for focusing phase compensating constant between FD and FA terminal.
18	FA	0	Setting for focusing phase compensating constant between FD- and FA- terminal.
19	FA-	J	Setting for focusing phase compensating constant between FA and FE terminal.
20	FE	0	FE signal output.
21	FE-	ı	Connect FE signal gain setting resistor between FE terminal.
22	AGND	_	Ground for analog signal.
23	SP	0	Single end output of CV <sup>+</sup> and CV <sup>-</sup> termianl single input.
24	SPI	ı	Spindle amplification input.
25	SPG		Connect with gain setting resistor when in spindle 12cm mode.
26	SP-	1	Setting for spindle phase compensating constant between SPD terminal.
27	SPD	0	Spindle control output signal.
28	SLEQ		Setting for sled phase compensating constant.
29	SLD	0	Sled control output signal.
30	SL-	1	Sled feed input signal from microcomputer.

Pin No.	Symbol	1/0	Function
31	SL+		Sled feed input signal from microcomputer.
32	JP-	I	Tracking jamp input signal from DSP.
33	JP+	1	Tracking jamp input signal from DSP.
34	TGL	1	Tracking gain control signal input from DSP (H: gain low).
35	TOFF	1	Tracking OFF control input signal from DSP. (H: OFF)
36	TES	0	TES output signal to DSP.
37	HFL.		High frequency level signal.
38	SLOF	ı	Sled servo OFF control input.
39	CV-	I	CLV error input signal from DSP.
40	CV+	1	CLV error input signal from DSP.
41	RFSM	0	RF output signal.
42	RFS-	1	Setting for RF gain and 3T conpensating constant of EFM signal between RFSM terminal.
43	SLC	0	Slice level control signal, depend on RF waveform DSP, outputs to control data slice level.
44	SLI	1	Data slice level control signal input according to the DSP.
45	DGND		Ground for digital system.
46	FSC	0	Connect with focus search smoothing capacitor.
47	NC		Non connection.
48	NC		Non connection.
49	DEF	0	Disc defect detecting output signal.
50	CLK	ı	Reference clock input from DSP (4.23 ,MHz).
51	CL	1	Microcomputer command clock input signal.
52	DAT	ı	Microcomputer command data input signal.
53	CE	ı	Microcomputer command chip enable input signal.
54	DRF	0	RF level detecting output signal.
55	NC		Nonconnection.
56	Vcc2		Vcc for digital and servo system.
57	REFI		For connecting pass capacitor with reference voltage.
58	VR	0	Reference voltage output.
59	LF2		Setting for disc defect detecting time constant.
60	PH1		For connecting capacitor with peak hold of RF signal.
, 61	BH1		For connecting capacitor with bottom hold of RF signal.
62	LDD	0	APC circuit output terminal.
63	LDS	1	APC circuit input terminal.
64	Vcc1		Vcc for RF system.

## LC78630E (IC802)



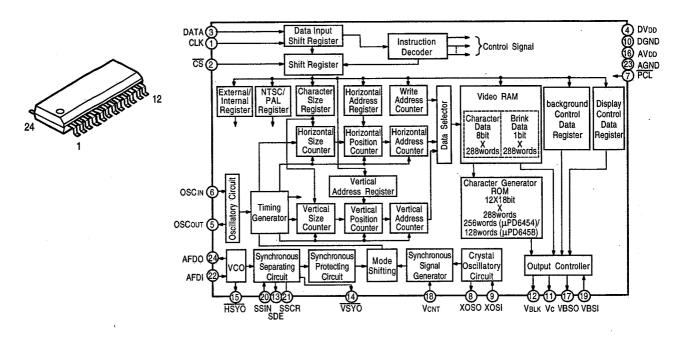


#### LC78630E Terminal Function

LC78	630E Terminal	l Fui	action
Pin No.	Symbol	1/0	Function
1	VPDO	0	Variable pitch PLL charge pump output.
2	PDO2	0	Double-speed and quad-speed mode playback PLL charge pump output.
3	PDO1	0	Normal -speed mode playback PLL charge pump output.
4	AVss		Analog system ground. Normally 0V.
5	FR		Built-in VCO frequency range setting resistor connection.
6	AVDD		Analog system power supply. Normally 5V.
7	ISET		PDO1 and PDO2 ouput current setting resistor connection.
8	TAI	1	Test input A pull-down resistor is built-in.
9	EFMO	0	EFM signal output.
10	Vss		Digital system ground. Normally 0V.
11	EFMI	-1	EFM signal output.
12	TEST1	_	Test input A pull-down resistor is built-in.
13	CLV+	0	Spindle servo control output. CLV+ outputs a high level for acceleration, and CLV- outputs a high level for
14	CLV-	0	deceleration.
15	V/P	0	Rough servo/phase control automatic switching monitor output. A high-level output indicates rough servo, and a low-level output indicates phase control.
16	TEST2	1	Test input A pull-down resistor is built-in.
17	TEST3	1	Test input A pull-down resistor is built-in.
18	P4	. I/O	I/O port.
19	HFL	1	Track detection signal input. This is a Schmitt input.
20	TES	1	Track error signal input. This is a Schmitt input.
21	PCK	0	EFM data playback bit clock monitor. Outputs 4.3218 MHz When the Phase is locked.
22	FSEQ	0	Synchronization signal detection output. Outputs a high level when the synchronization signal detected from the EFM signal matches the internally generated synchronization signal.
23	TOFF	0	Tracking off output.
24	TGL	0	Tracking gain switching output. Increase the gain when this pin outputs a low level.
25	THLD	0	Tracking hold output.
26	TEST4		Test input A pull-down resistor is built-in.
27	VDD		Digital system power supply. Normally 5V.
28	JP+	0	Track jump output. JP+ outputs a high level both for acceleration during outward direction jumps and for deceleration during inward direction jumps. JP- outputs a high level both for acceleration during inward
29	JP-	0	direction jumps and for deceleration during outward direction jumps.

Pin No.	Symbol	1/0			Function					
30 31	SLD+ SLD-	0	Sled output. This pin car	Sled output. This pin can be set to 1 of 4 levels by commands sent from the system control microprocessor.						
32	EMPH	0	De-emphasis monitor	A high I	level indicates that a disk requiring de-emphasis is being played.					
33	P5	1/0	I/O port.	rt mgiri	rever indicates that a disk requiring de-emphasis is being played.					
34	LRCKO	0		I B clo	ock output.					
35	DFLRO	0	Digital filter outputs.	17.11	ta output. The digital filters can be turned off with the DFOFF command.					
36	DACKO	0	Digital Intel Edipate.		ck output.					
37	CONT1	0	Output port	Output port.						
38	P0/DFCK	1/0	I/O port or digital filter b	it clock	cinnut					
39	P1/DFIN	1/0	I/O port or digital filter d							
40	P2	1/0	I/O port.	ata mp	ut.					
41	P3/DFLR	1/0	Port output or digital filt	erIBo	elock input					
42	LRSY	0	a.g.t.		LR clock output.					
43	CK2	0			Bit clock output. The polarity can be inverted with the CK2CON command.					
44	ROMXA	0	ROMXA pins		Interpolated data output. Data that has not been interpolated can be output by issuing the ROMXA command.					
45	C2F	0			C2 flag output.					
46	MUTEL	0			Left channel mute output.					
47	LVDD		ŕ		Left channel power supply. Normally 5V.					
48	LCHP	0	   One-bit D/A converter p	ins	Left channel P output.					
49	LCHN	0			Left channel N output.					
50	LVss				Left channel ground. Normally 0V.					
51	XVss		Crystal oscillator ground	d. Norm						
52	XOUT	0								
53	XIN	1	16.9344 MHz crystal os	cillator	connections. Use a 33.8688 MHz crystal oscillator for quad-speed playback.					
54	XVDD		Crystal oscillator power	supply	Normally 5V					
55	RVss				Right channel ground, Normally 0V.					
56	RCHN	0			Right channel N output.					
57	RCHP	0	One-bit D/A converter p	ins.	Right channel P output.					
58	RVDD	_	·		Right channel ground. Normally 5V.					
59	MUTER	0			Right channel mute output.					
60	SBSY	0	Subcode block synchrol	nization						
61	EFLG	0	C1 and C2 error correct							
62	PW	0	Subcode P, Q, R, S, T,	U, and	W output.					
63	SFSY	0	Subcode frame synchro	nization	n signal output. Falls when the subcode output goes to the standby state.					
64	SBCK	_ I	Subcode readout clock i							
65	DOUT	0	Digital output.	·						
66	FSX	0		chroniza	ation signal generated by dividing the crystal oscillator frequency.					
67	WRQ	0	Subcode Q output stand							
68	RWC	ı	Read/write control input.							
69	SQOUT	0	Subcode Q output.							
70	COIN		Input for commands from	n the co	ontrol microprocessor.					
71	CQCK				. Also used as the SQOUT subcode readout clock input. This is a Schmitt input.					
72	RES	_ [			be set low temporarily when power is first applied.					
73	TESTF	0	Test output.							
74	CON2	0	Output port.							
75	16M	0	16.9344 MHz output.							
76	4.2M	0	4.2336 MHz output.							
77	TEST5		Test input. A pull-down r	esistor	is built in.					
78	cs		Chip select input. A pull-	down re	esistor is built in.					
79	DEFI	1	Defect detection signal in	nput.						
80	vcoc	1	Variable pitch VCO contr	ol inpu	t.					

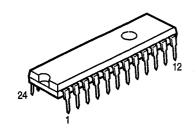
#### μPD6454GT (IC452)

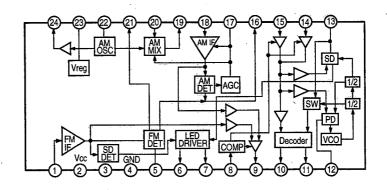


**uPD6454GT Terminal Function** 

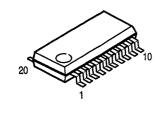
Pin No.	Symbol	1/0	Function
1	CLK	1	Clock input signal for data reading.
2	CS	1	Chip selecting input signal (L: serial transmitable).
3	DATA	ı	Serial data input terminal.
4	DVoo	_	Power supply for digital system.
5	OSCOUT	0	LC oscillatory circuit terminal.
6	OSCIN	ı	LC oscillatory circuit terminal.
7	PCL	Ι	Clear at power supply ON.
8	xoso	0	Crystal oscillatory circuit terminal.
9	XOSI	0	Crystal oscillatory circuit terminal.
10	DGND		Ground for digital system.
11	Vc	0	Character output signal.
12	VBLK	0	Blanking output signal.
13	SDE	0	Synchronous detecting output signal.
14	VSYO	0	Vertical synchronizing output signal.
15	HSYO	0	Horizontal synchronizing output signal.
16	AVDD	_	Power supply for analog system.
17	VBSO	0	Composite video output signal.
18	VCNT	1	Output level control signal for composite video and brightness level adjustment.
19	VBSI	. 1	Composite video input signal.
20	SSIN	-[	Synchronous separating input signal.
21	SSCR		Connect with capacitor and resistor for synchronous separating time constant.
22	AFDI	1	VCO frequency error voltage input for AFC.
23	AGND		Ground for analog system.
24	AFDO	0	VCO frequency error voltage output for AFC.

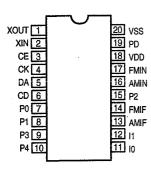
#### **BA1450S (IC201)**

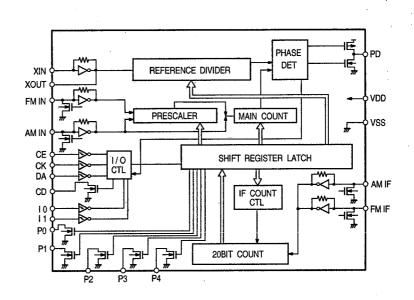




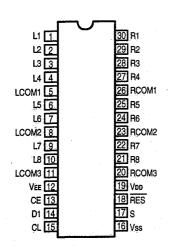
#### BU2621F (IC251)

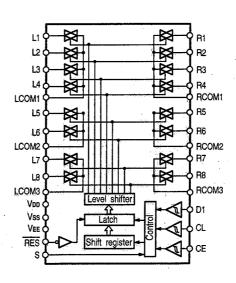






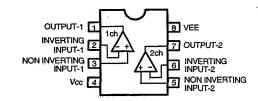
#### LC78211 (IC301)



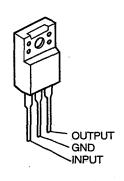


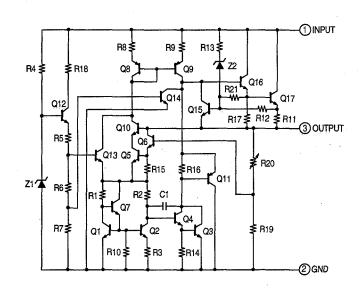
### M5218AP (IC302, 308, 481, 482, 803) HA17558HM (IC706, 707)



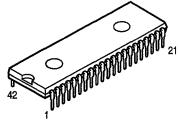


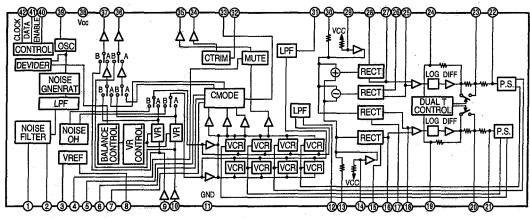
KIA7805PI (IC304, 805) KIA7806PI (IC001) KIA7809PI (IC002) KIA7812PI (IC003)



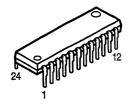


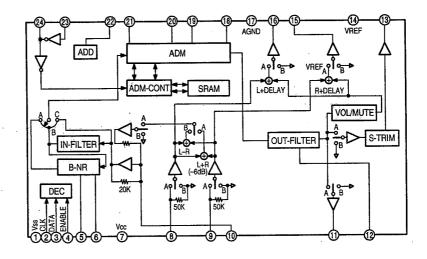
#### LA2786 (IC305)



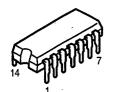


#### LV1015 (IC306)

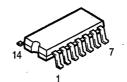




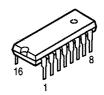
BU4066BC (IC303, 705)

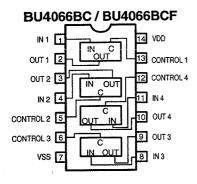


BU4066BCF (IC307,405)



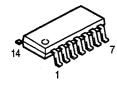
BU4052BC (IC401,451)

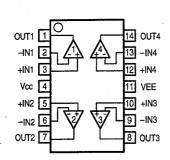




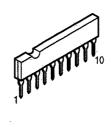
16 VDD 15 X2 Y2 2 14 X1 OUT/IN 13 X Y3 4 ЗΥ Y1 5 12 X0 COMMON 0X 1Y 11 X3 зх INHIBIT 6 INH 10 A VEE VEE 7 В 9 B Vss 8

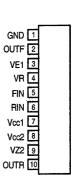
BA14741F (IC402, 403, 404, 4001, 4004)



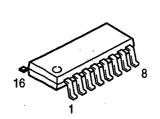


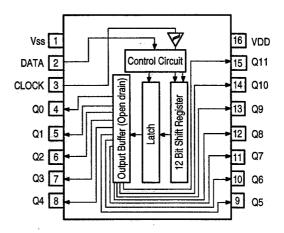
BA6209N (IC406)





#### BU2090F (IC407, 903, 904)

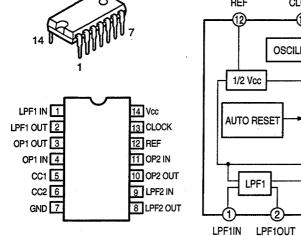


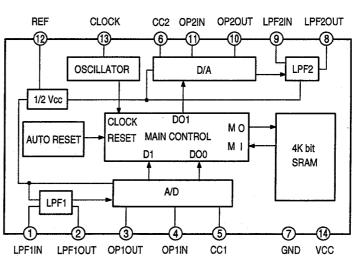


BU2090F (IC407, 903 904)

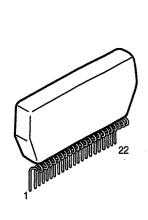
Pin No.	Symbol	1/0		Function	n					
1	Vss		GND							
2	DATA	1	Serial da	Serial data input.						
3	CLOCK	ı		Data shift clock (Rise edge trigger). If data level is "H" when clock is in the fall edge, the shift register data will be latched with output.						
4~15	Q0~11	Q0~11 O	Parallel data output (Nch Open Drain FET)							
				Latch data	L	Н				
				EFT Output	ON	OFF	7			
				Li i Output	0.1	OI I				

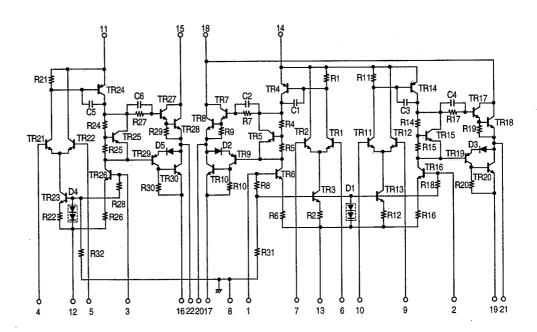
#### M65844P (IC483)



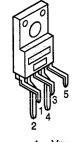


#### STK400-060 (IC501)

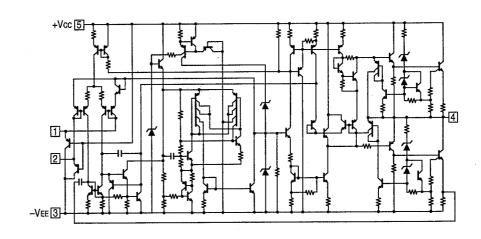




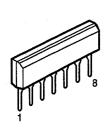
### SI18751 (IC551 L/R)

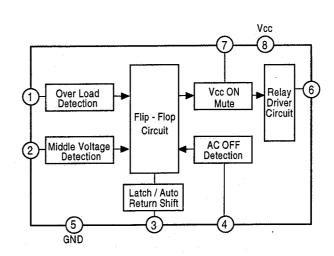


- 1: +VIN
- 2: -VIN 3: -VEE
- 4: Vout
- 5: +Vcc

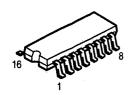


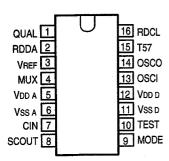
### μPC-1237HA (IC581)





### **SAA6579T (IC601)**

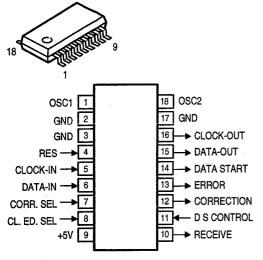




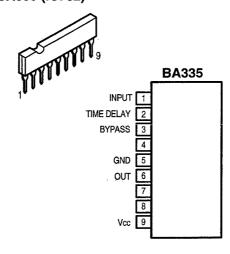
#### **SAA6579T Terminal Function**

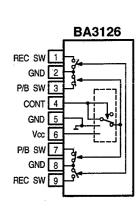
Pin No.	Symbol	Function
1	QUAL	Quality indication output.
2	RDDA	RDS data output.
3	Vref	Reference voltage output (0.5 VDD A).
4	MUX	Multiplex signal input.
5	VDD A	+5V power supply for analog part.
6	Vss a	Ground for analog part (0V).
7	CIN	Subcarrier input to comparator.
8	SCOUT	Subcarrier ouput of reconstruction filter.
9	MODE	Oscillation mode/test control input.
10	TEST	Test enable input.
11	Vss d	Ground for digital part (0V).
12	VDD D	+5V power supply for digital part.
13	OSCI	Oscillator input.
14	osco	Oscillator output.
15	T57	57kHz clock signal output.
16	RDCL	RDS clock output.



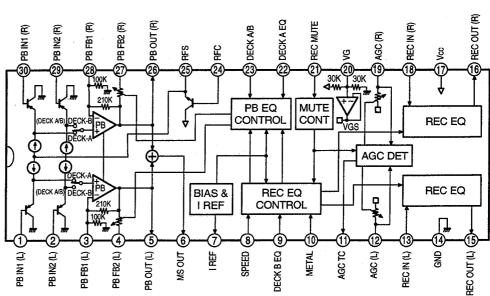


### BA3126N (IC701) BA335 (IC702)

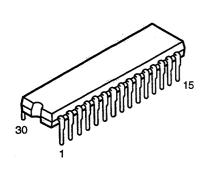


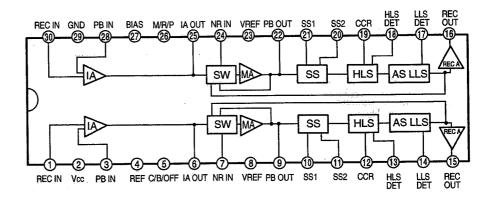




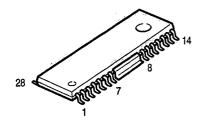


## HA12141 (IC704)





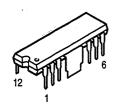
#### KA9258D (IC806)

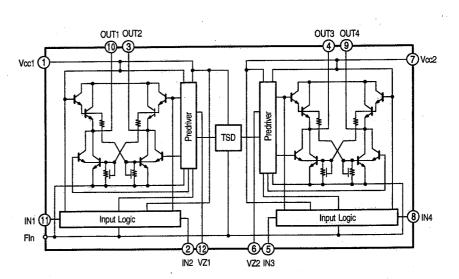


#### **KA9258D Terminal Function**

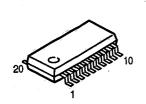
Pin No.	Symbol	1/0	Function
1	DO1, 1	0	Drive output.
2	DO1, 2	0	Drive output.
3	DI1, 1	Ī	Drive input.
4	DI1, 2	1	Drive input.
5	REG		Regulator.
6	REO	. 0	Regulator output.
7	MUTE		Mute
8	GND1		Ground.
9	DI2, 1	I	Drive input.
10	DI2, 2	1	Drive input.
11	DO2, 1	0	Drive output.
12	DO2, 2	0	Drive output.
13	GND2		Ground.
14	OPOUT	0	OP AMP output.
15	OPIN (-)		OP AMP input. ()
16	OPIN (+)	1	OP AMP input. (+)
17	DO3, 1	0	Drive output.
18	DO3, 2	0	Drive output.
19	DI3, 1	-	Drive input.
20	DI3, 2	1	Drive input.
21	VCC1		Power supply.
22	VCC2		Power supply.
23	VREF		2.5V Bias voltage.
24	DI4, 1	1	Drive input.
25	DI4, 2	1	Drive input.
26	DO4, 1	0	Drive output.
27	DO4, 2	0	Drive output
28	GND		Ground.

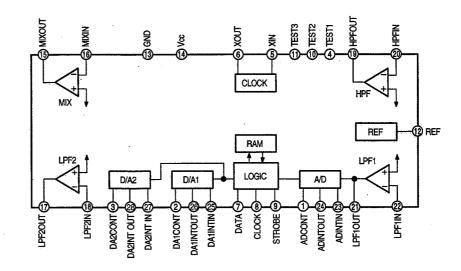
### LB1648 (IC807)



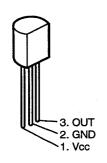


#### M65840FP (IC4002, IC4005)





#### KIA7045P (IC902)



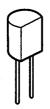
#### SBX1910-52 (IR 801)



- 1. Vcc
- 2. Output
- 3. GND
- 4. Case fin 5. Case fin

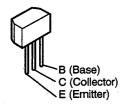
#### **•IC PROTECTOR**

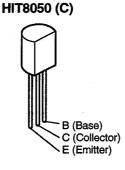
ICP-N5 (PR003, 004, 301, 701) ICP-N10 (PR001, 002, 702, 703)

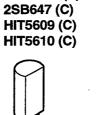


#### TRANSISTORS

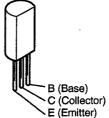
2SA933 (S) 2SC1740S (S) 2SD1468S (R) 2SC1741S (QR)



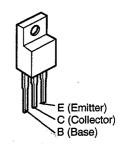




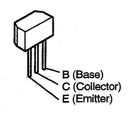
2SC2235 (Y)



2SA1129 (K)



DTA114ES DTC124ES

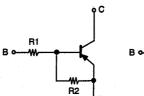


DTA114ES

2SA844 (E)

2SC460 (C)

2SK104 (F)



<b>D</b> 4	°C	
R1 		-
	L	
	R2 L	

DTC124ES

	R1	R2
DTA114ES	10 kohm	10 kohm
DTA124ES	22 kohm	22 kohm

## ● DIODES (included LED)

Navy Blue

HZ3A1 HZ7A1 HZ3B2 HZ7B2

HZ4B2 HZ9A3

HZ4C1 HZ9B3 HZ4C2 HZ9C2

HZ5B2 HZ12A2 HZ6B1 HZ12B2

HZ6C2 HZ24-2L

1N4531

.

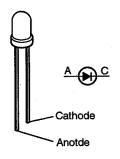




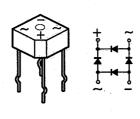
IN4001

IN4002

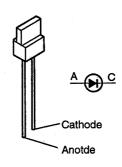
**SLR342** 



S4VB20B (D009) S5VB20 (D010)



**RLL20503** 

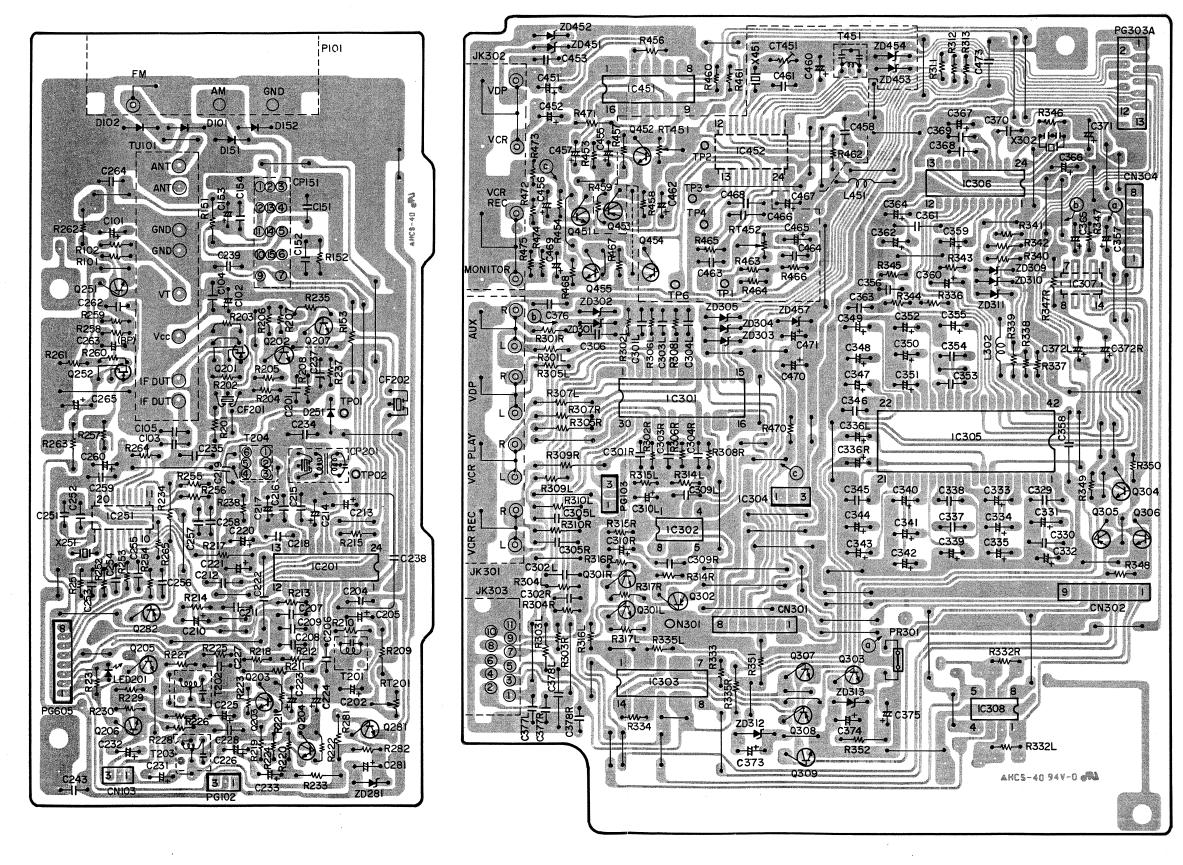


В

## PRINTED WIRING BOARD

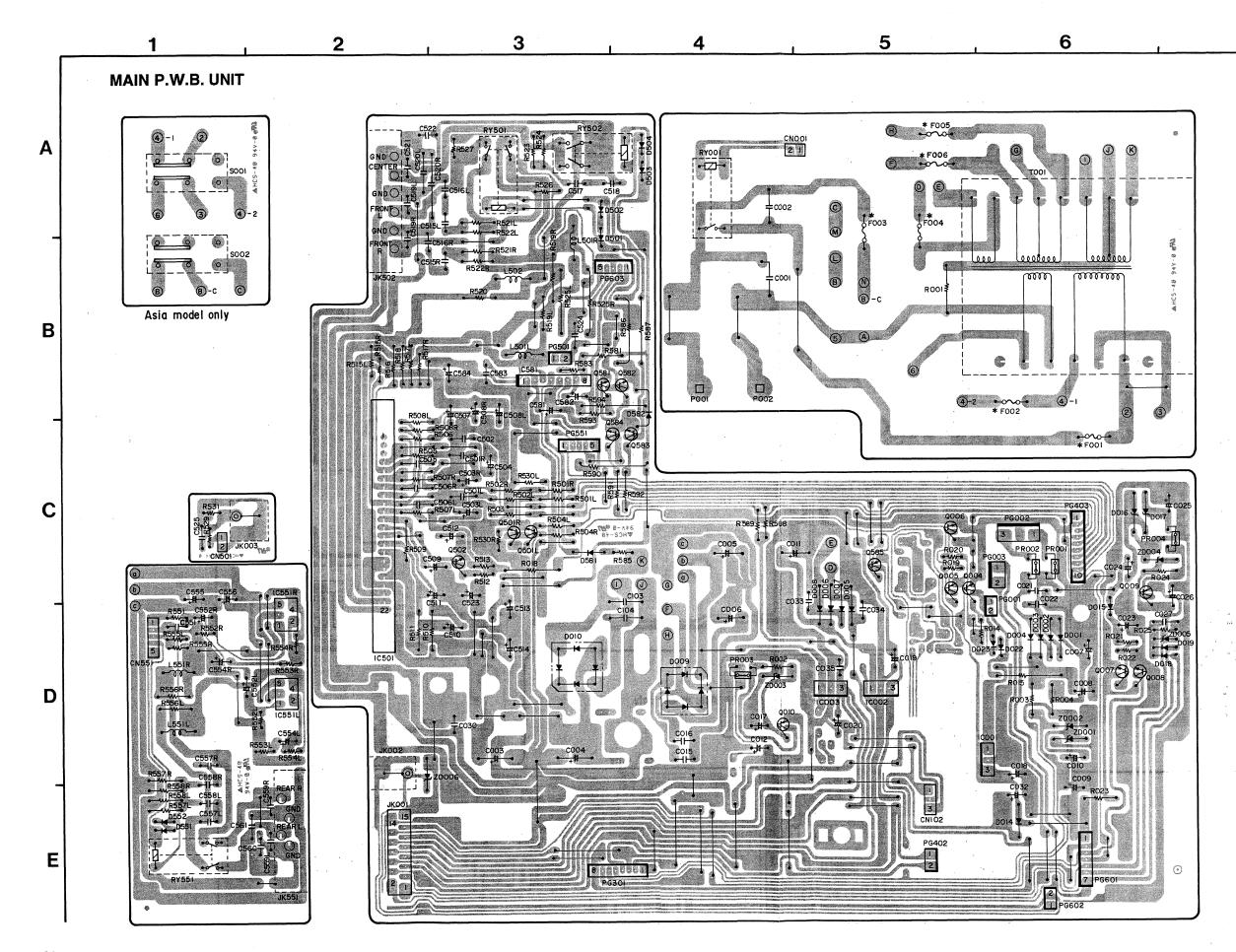
1 , 2 , 3 , 4 , 5 , 6 , 7 , 8

**AUDIO P.W.B. UNIT** 



D

7 8 5 6 FL DISPLAY P.W.B. UNIT D Asia model only S617 KARAOKE Asia model only E



	Europe & U.K.	U.S.A. & Canada	Asia
* F001	T2A	4A 125V	T3.15A
* F002			T2A
* F003	T630mA	500mA 250V	T630mA
* F004	T1A	1.6A 125V	T1A
* F005	T2.5A	3A 250V	T2.5A
* F006	T2.5A	3A 250V	T2.5A

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5 CDC P.W.B. UNIT В C D FL901 E 0

D-1250/850 **E** 

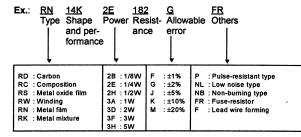
### **NOTE FOR PARTS LIST**

- Part indicated with the mark "⊙" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.) WARNING:

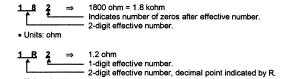
Parts marked with this symbol A have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

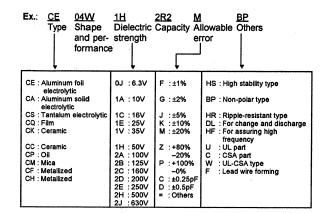
#### Resistors



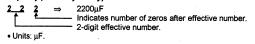
#### \* Resistance



#### Capacitors



#### \* Capacity (electrolyte only)



2 R 2 ⇒ 2.2μF 1-digit effective number. 2-digit effective number, decimal point indicated by R. • Units: μF.

#### \* Capacity (except electrolyte)

• Units: μF.

• When the dielectric strength is indicated in AC, "AC" is included after the dieelectric

## P.W.B UNIT ASS'Y PARTS LIST

#### CDC P.W.B. UNIT

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name		Remarks
	DUCTORS O	<del></del>	rtomarto	Q801	† ·····	Transistor HIT5610C or 2SB5	62-C	. toa. to
IC701	9L2 0202 91	IC ICL-BA3126N				Transistor 2SD1468S	02-0	
IC701		IC ICL-BA335		Q802L,802H	9L2 3243 62	Transistor 2SA1129K		
IC702	9L2 3084 63VV	IC CXA1498S		Q803		Transistor 2SA844E		
IC703	9LC P025 91	IC HA12141		1			.	Built in resistor
8				Q805,806	i .	Transistor DTC124ES		Duilt in resistor
IC705	262 1076 000			Q807	l .	Transistor 2SA844E		
IC706,707	9LC P006 21	IC HA17558(HM)		Q808L,808H	274 0131 004	Transistor 2SD1468S		
IC801	9LC P025 21	IC LA9233M		Q901~906	070 0000 010	Transistor 2SC1740S(S)		
IC802		IC LC78630E		Q901~900	273 0303 910	11415501 25017405(5)		
IC803	263 0711 000	1		D701~704	276 0275 002	Diode 1N4531 or 1N4148		
IC805		IC KIA7805PI		D701~704 D705,706			l	
1C806	9LC F024 11 9LC K000 72	IC KA9258		D705,706	9LZ 3900 021	Diode 1N4001		-
IC807	9LC R000 72 9LC P025 41	IC LB1648	·	D901	276 0275 002	Diada 1N/4521 or 1N/4149		
10007	3LO F025 41	IO LD 1040		D901	270 0373 002	Diode 1N4531 or 1N4148		
IC901	9LC P025 52	IC HD6433726C97H		ZD801	276 0185 027	Zener diode HZ4B2		4V
IC902	9LC P007 12R			ZD802		Zener diode HZ6B1		6V
IC903.904	9LC K045 31			ZD803		Zener diode HZ4C2		4V
10000,004	3EO 11043 01	10 0020001		ZD804	j i	Zener diode HZ3B2		3V
PR701	I A2 500II 216	IC protector ICP-N5		20004	270 0233 030	Zerier diode rizobz		34
PR702,703		IC protector ICP-N10		ZD901,902	276 0303 003	Zener diode HZ6C2		6V
111702,700	200 0072 300	TO PRODUCTOR TO THE		20901,902	270 0303 003	Zeriei diode HZ002		ov .
Q701L 701B	273 0303 910	Transistor 2SC1740S(S)		LED701	9LC H000 72	LED SLB342		
		Transistor 2SC1740S(S)			0201100012	LLD OLI IO IL		
9 1		Transistor 2SC1740S(S)		LED901~904	9LC H000 71	LED SLR34MC3F		
Q704~709		Transistor DTC124ES	Built in resistor	LED905	9LC H000 72	LED SLR342		
Q710		Transistor 2SC1740S(S)	Dank in rociotor		0201100012			
Q711,712		Transistor DTC124ES	Built in resistor					
Q713	1	Transistor 2SC1740S(S)	Dant III Toolotoi					
Q714		Transistor HIT5609C or 2SD468-C		RESISTOR	S GROUP (	Not included carbon file	m ±5°	% 1/4W)
Q715~718		Transistor 2SC1740S(S)		R730L,730R	9L0 1745 74M	Metal film 2.4kohm 1/4W	RN14	K2E242F
Q719		Transistor DTA114ES	Built in resistor					
Q720		Transistor 2SC1740S(S)	Duit in resistor	R808	241 0145 003	Carbon film 22ohm 1/2W	RD14	B2H220J
Q721	. 1	Transistor HIT5609C or 2SD468-C						
Q722	- 1	Transistor DTA114ES	Built in resistor	R995	9L0 1745 92M	Metal film 11kohm 1/4W	RN14	K2E113F
Q723		Transistor 2SC1740S(S)	Duilt in resistor	R997	9L0 1745 91M	Metal film 10kohm 1/4W	RN14	K2E103F
Q724		Transistor HIT5609C or 2SD468-C						
Q725		Transistor DTA114ES	Built in resistor	RT701L,701R	9L0 1603 11	Variable resistor 10kohm B	PB	
Q726		Transistor 2SC1740S(S)	Duit in resistor	RT702L,702R	9L0 1603 11	Variable resistor 10kohm B	PB	
Q727		Transistor HIT5609C or 2SD468-C		RT703L,703R	9L0 1603 15	Variable resistor 50kohm B	RECI	LEVEL
Q728		Transistor DTA114ES	Built in resistor	RT704L,704R	9L0 1603 16	Variable resistor 100kohm B	BIAS	
Q729		Transistor 2SC1740S(S)	Dulit in resistor	RT705,706	9L0 1603 13	Semi fixed resistor RT6-3V302	SPEE	:D
Q730		Transistor HIT5609C or 2SD468-C						
Q731		Transistor DTA114ES	Duilt in register					
Q731			Built in resistor	04540170	DO ODOUD			
Q732 Q733		Transistor 2SC1740S(S) Transistor HIT5609C or 2SD468-C			RS GROUP	<del></del>	0144	D41100414
Q733 Q734		Transistor DTA114ES	Built in register	1 1		Ceramic 680pF/50V		B1H681K
Q734 Q735			Built in resistor		253 1194 933	Ceramic 680pF/50V		B1H681K
i i		Transistor 2SC1740S(S)		C705	254 4260 045	Electrolytic 1µF/50V		W1H010M
Q736 Q737~739		Transistor HIT5609C or 2SD468-C	Duille in analysis	C706,707	254 4256 046	Electrolytic 100µF/25V		W1E101M
i i		Transistor DTC124ES Transistor 2SC1740S(S)	Built in resistor	C708		Electrolytic 0.33μF/50V		W1HR33M
Q/40L,/40H	213 0303 910	Transistor 2SC1740S(S)		C709	254 4195 055	Electrolytic 0.15μF/50V		W1HR15M
				C710	254 4260 045	Electrolytic 1μF/50V	CE04	W1H010M
				L				

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Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
C711	253 1195 961	Ceramic 4700pF/16V	CC14X1C472M	C801	254 4256 033	Electrolytic 47µF/25V	CE04W1E470M
C712	255 4199 070	Film 0.01µF/50V	CQ92M1H103K	C802	253 1194 959	Ceramic 1000pF/50V	CC14B1H102K
C713L,713R	253 1193 934	Ceramic 100pF/50V	CC14B1H101K	C803	255 4224 945	Film 0.1µF/50V	CQ92M1H104J(MRZ)
C714L,714R	253 1193 934	Ceramic 100pF/50V	CC14B1H101K	C804	255 4216 067	Film 0.033µF/50V	CQ92M1H333J(MRZ)
C715L,715R	255 4212 025	Film 0.015µF/50V	CQ92M1H153K(MRZ)	C805	255 4224 945	Film 0.1μF/50V	CQ92M1H104J(MRZ)
C716L,716R	254 4252 037	Electrolytic 100µF/10V	CE04W1A101M	C806	253 1193 992	Ceramic 330pF/50V	CC14B1H331k
C717L,717R	254 4260 032	Electrolytic 0.47µF/50V	CE04W1HR47M	C807	255 4212 054	Film 0.047µF/50V	CQ92M1H473J(MRZ)
C718	254 4256 033	Electrolytic 47µF/25V	CE04W1E470M	C808	255 4212 009	Film 0.22µF/50V	CQ92M1H224J(MRZ)
C719			CQ92M1H473K(MRZ)	C809	253 1195 945	Ceramic 3300pF/16V	CC14X1C332M
C720	254 4256 046	Electrolytic 100μF/25V	CE04W1E101M	C810	255 4216 067	Film 0.033µF/50V	CQ92M1H333J(MRZ)
C721	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M	C811	255 4224 945	Film 0.1µF/50V	CQ92M1H104J(MRZ)
C722	254 4256 033	Electrolytic 47µF/25V	CW04W1E470M	C812	253 1193 992	Ceramic 330pF/50V	CC14B1H331k
C723L,723R	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M	C813	255 4212 009	Film 0.22µF/50V	CQ92M1H224J(MRZ)
C724	254 4256 046	Electrolytic 100µF/25V	CE04W1E101M	C814	255 1086 005	Film 0.15µF/50V	CQ92M1H154K
C725L,725R		Electrolytic 10µF/50V	CE04W1H100M	C815	255 1009 008	Film 4700pF/50V	CQ92M1H472K
C726	254 4256 046	Electrolytic 100µF/25V	CE04W1E101M	C816	253 1195 961	Ceramic 4700pF/16V	CC14X1C472M
C727L,727R		Electrolytic 0.47µF/50V	CE04W1HR47M	C817	255 1086 005	Film 0.15µF/50V	CQ92M1H154K
C728	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M	C818	253 1193 992	Ceramic 330pF/50V	CC14B1H331k
C729	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M	C819	253 1195 945	Ceramic 3300pF/16V	CC14X1C332M
1	255 1064 001	Film 2200pF/50V	CQ93M1H222K	C820	254 4260 016	Electrolytic 0.22µF/50V	CE04W1HR22M
	255 1064 001	Film 2200pF/50V	CQ93M1H222K	C821	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M
1	255 1064 001	Film 2200pF/50V	CQ93M1H222K	C822	9L0 8900 01M	Ceramic 1pF/50V	CC14SL1H010M
	255 4224 945	Film 0.1µF/50V	CQ92M1H104J(MRZ)	C823	253 1198 913	Ceramic 0.01µF/16V	CC14Y1C103M
1	255 4224 945	Film 0.1µF/50V	CQ92M1H104J(MRZ)	C824	255 4216 067	Film 0.033µF/50V	CQ92M1H333J(MRZ)
18)	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M	C825	253 1194 959	Ceramic 1000pF/50V	CC14B1H102K
1	255 1064 001	Film 2200pF/50V	CQ93M1H222K	C826	9L0 8900 11M	Ceramic 15pF/50V	CC14SL1H150J
1	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M	C827	253 1198 913	Ceramic 0.01µF/16V	CC14Y1C103M
1	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M	C828	254 4252 040	Electrolytic 220µF/10V	CE04W1A221M
	254 4260 032	1	CE04W1HR47M	C829	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M
1	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M	C830	253 1198 913	Ceramic 0.01µF/16V	CC14Y1C103M
•	254 4260 993	1 ' '	CE04W1H220M	C831	254 4260 029	Electrolytic 0.33µF/50V	CE04W1HR33M
C746	254 4256 046		CE04W1E101M	C832	254 4260 061	Electrolytic 3.3µF/50V	CE04W1H3R3M
1	254 4260 993	, ,	CE04W1H220M	C833	254 4260 045	Electrolytic 1µF/50V	CW04W1H010M
C748	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M	C834	254 4252 037	Electrolytic 100µF/10V	CE04W1A101M
	l	Electrolytic 10µF/50V	CE04W1H100M	C835	9L0 8900 44M	Ceramic 0.022µF/50V	CC14F1H223Z
		Electrolytic 10µF/50V	CE04W1H100M	C836,837	254 4252 040	Electrolytic 220µF/10V	CE04W1A221M
C751L	1	Film 1500pF/50V	CQ92M1H152J(MRZ)	C838	253 1198 913	Ceramic 0.01µF/16V	CC14Y1C103M
C751R	255 1120 026	Film 1500pF/50V	CQ93M1H152J	C839	253 1195 929	Ceramic 2200pF/16V	CC14X1C222M
C752L,752R	1	Electrolytic 0.68µF/50V	CE04W1HR68M	C850	253 1198 913	Ceramic 0.01µF/16V	CC14Y1C103M
C753	254 4260 045	l	CE04W1H010M	C851	254 4252 037	Electrolytic 100µF/10V	CE04W1A101M
C754L,754R	İ	Ceramic 1500pF/16V	CC14X1C152M	C852	253 1198 913	Ceramic 0.01µF/16V	CC14Y1C103M
C755	1	Electrolytic 22µF/50V	CE04W1H220M	C853	255 4212 054	Film 0.047μF/50V	CQ92M1H473K(MRZ)
C760	254 4256 046	Electrolytic 100µF/25V	CE04W1E101M	C854,855	255 4224 945	Film 0.1µF/50V	CQ92M1H104J(MRZ)
C761	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M	C856	9L0 8900 15M	Ceramic 33pF/50V	CC14SL1H330J
C762,763	1	Film 3300pF/50V	CQ93M1H332K	C857	254 4256 033	Electrolytic 47µF/25V	CE04W1E470M
C764	1	Film 6800pF/50V	CQ93M1H682K	C858,859	9L0 8900 08M	Ceramic 10pF/50V	CC14SL1H100J
C765	254 4260 087		CE04W1H100M	C860	254 4252 037	Electrolytic 100µF/10V	CE04W1A101M
C766	255 4120 900	Film 6800pF/100V	CQ93P2A682J	C861	253 1198 913	Ceramic 0.01µF/16V	CC14Y1C103M
C767L,767R		Ceramic 220pF/50V	CC14B1H221K	C862L,862R	253 1193 963	Ceramic 180pF/50V	CC14B1H181K
C768	255 4212 025	Film 0.015µF/50V	CQ92M1H153K(MRZ)	C863L,863R	253 1193 950	Ceramic 150pF/50V	CC14B1H151K
C780,781	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M	C864L,864R	253 1193 963	Ceramic 180pF/50V	CC14B1H181K
C782,783	254 4254 789	Electrolytic 1000μF/16V	CE04W1C102M	C865L,865R	9L0 8900 18M	Ceramic 56pF/50V	CC14SL1H560J
L				L			

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
		Ceramic 56pF/50V	CC14SL1H560J	PG804	9LE D009 02	6P UP pin post (black)	
		Electrolytic 22μF/50V	CE04W1H220M	PG805	9L2 9590 52	3P PH pin post	
		Electrolytic 100µF/25V	CE04W1E101M				
1 i	253 1195 929		CC14X1C222M	PG901	1	TXL P02P M1(right angle)	
C870		Electrolytic 220µF/25V	CE04W1E221M	PG902	9L2 6586 77W	TXL 8P pin post	
C871~873		Electrolytic 10µF/50V	CE04W1H100M	PG903	9L2 6586 71W	TXL 2P pin post	,
C874		Electrolytic 100µF/25V	CE04W1E101M	PG904	9L2 6989 81	30P FFC connector	
C875	ł .	Electrolytic 220µF/25V	CE04W1E221M	PG905	9L2 6989 91	30P FFC connector	
C876,877	i	Ceramic 0.01µF/16V	CC14Y1C103M	1			
				W901	9LE K002 31	30P FFC cable	
C901	254 4260 074	Electrolytic 4.7µF/50V	CE04W1H4R7M				
C902,903	9L0 8900 11M	Ceramic 15pF/50V	CC14SL1H150J	JK901	9LE R002 41	1P US pin jack	
C904,905	253 1194 959	Ceramic 1000pF/50V	CC14B1H102K				
C906,907	1	Ceramic 0.01µF/16V	CC14Y1C103M	N701	9L2 6875 82W	Earth terminal	
C908	254 4252 037	Electrolytic 100µF/10V	CE04W1A101M			- T-10	
C909,910	253 1194 959		CC14B1H102K	CN901	9L2 7116 32A	2P TXL connector(S)	
C911	9L0 8900 18M		CC14SL1H560J	61124	01.0 = 1.1 = 1 = 1	L=150mm	
C912	253 1198 913	Ceramic 0.01µF/16V	CC14Y1C103M	CN902	9L2 7116 97A	8P TXL connector	
1				01/000	01.0.7440.014	L=400mm	
				CN903	9L2 7116 34A	2P TXL connector(S)	
OTHER PA	ARTS GROU	P	· · · · · · · · · · · · · · · · · · ·			L=250mm	
	9L2 2281 04	DDL filter FB-100	ĺ	TD4 F	01 5 7450 04	1B SO nin	
L701L,701H	9L2 2279 05M			TP1~5	9L5 7152 31	1P SQ pin	
L702	9L2 1373 43	LL bias OSC coil					
L703 L704L,704R	1	Bias trap 105K					
L107L,10711	1300 01						
L801	9L2 1222 39M	LA axial coil 100K					
		·					
S901~923	9L2 6396 82R	Tact switch					
X801	399 0036 013	Crystal 16.9MHz					
					1		
X901	399 0160 002	Resonator CST8.0MTW					
X902	9L2 1684 91	Crystal DT-38					
				H			
FL901	9LD D000 21	FL tube 11-BT-148GK	,				
	9LN J016 41	FL holder					
PG701	9L2 6742 62	MX 2MM 3P pin post			,		
PG702	9L2 6742 65	MX 2MM 6P pin post					
PG703	9L2 6742 61	MX 2MM 2P pin post					
PG704	9L2 6585 73W	1 ' -	4.				}
PG705	9L2 9590 61	11P PH pin post					
PG706	9L2 6742 63	MX 2MM 4P pin post		,			
PG707	9L2 9590 62	12P PH pin post					
PG708	9L2 6586 72W	1					
PG709	9L2 6746 09	11P wire trap					
PG710	9LE D004 84	PLGJ 52004-1510					
		100 550					
PG801	9LE D008 91	16P FFC connector	·				
PG802	9L2 9590 55	6P PH plug					
PG803	9LE D009 01	6P UP pin post (white)		L	<u> </u>		l

## **AUDIO P.W.B. UNIT**

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS G	ROUP		ZD281	276 0303 003	Zener diode HZ6C2	6V
IC001						- " 1 1 1	
,				ZD301~305		Zener diode HZ7A1	7V
IC201	9LC P025 61	IC BA1450S		ZD309~311		Zener diode HZ9B3	9V
IC251	9LC K044 61	IC BU2621F	·	ZD312		Zener diode HZ9A3	9V
				ZD313	2/6 0496 015	Zener diode HZ9C2	9V
IC301	9L2 3016 92W			ZD451~454	276 0464 000	Zener diode HZ7A1	7V
IC302	263 0711 000			ZD451~454 ZD457		Zener diode HZ5B2	5V
IC303	9L2 3631 97	IC BU4066 BC	Asia model only	20407	270 0439 913	Zeriei diode rizobz	34
IC304	9LC P024 11	IC KIA7805PI		LED201	9L2 3973 14	LED RLL-20503PD-R15(S)	
IC305	9LC P025 11	IC LA2786		LLDZO	022 0070 14	LEB TILE 200001 B TITO(0)	
IC306		IC LV1015					
IC307		IC BU4066BCF	l I	RESISTO	RS GROUP (	Not included carbon fil	m ±5% 1/4W)
IC308	263 0711 000	IC M5218AP	Asia model only	R234	241 0157 004	Carbon film 68ohm 1/2W	RD14B2H680J
				R281	241 0163 001	Carbon film 120ohm 1/2W	RD14B2H121J
IC451	9L2 0084 32	IC BU4052BC					
IC452	9LC K044 11	IC μPD6454GT		R336	9L0 1745 98M	Metal film 20kohm 1/4W	RN14K==203F
				1 .			
PR301	LA2 500U 216	IC protector ICP-N5		RT201	211 6079 907	Semi fixed resistor 10kohm	
				1			
Q201	9L2 3288 02R	Transistor 2SK104(F)	Europr, U.K. models	RT451	9L0 1603 28	Semi fixed resistor 50kohm	
			only	RT452	9L0 1603 25	Semi fixed resistor 100kohm	
Q202	1	Transistor 2SC460PC					
Q203~206	I .	Transistor 2SC1740S(S)					
Q207	973 0057 904	Transistor 2SC460PC	Europr, U.K. models	CARACIT	ODO ODOUE	<u> </u>	<u> </u>
			only		ORS GROUP	T	050444105444
Q251	1	Transistor 2SC1740S(S)		C101		Electrolytic 0.1µF/50V	CE04W1H0R1M
Q252	1	Transistor 2SK104(F)		C102		Electrolytic 100µF/25V	CE04W1E101M
Q281	274 0038 000	Transistor HIT8050C or		C103	i i	Ceramic 1000pF/50V	CK14B1H102K
		2SD467-C		C104	i e	Ceramic 0.022µF/50V	CK14F1H223Z
Q282	269 0046 003	Transistor DTA114ES	Built in resistor	C105		Ceramic 22pF/50V	CK14SL1H220J
				C151		Film 0.022µF/50V	CQ93M1H223K
Q301L,301R	1	Transistor 2SC1740S(S)		C152	9LH 2306 51	Ceramic 8.2pF/50V	CK14CH1H8R2K
Q302	I	Transistor DTA114ES	Built in resistor	C153	254 4252 037	Electrolytic 100µF/10V	CE04W1A101M
Q303	274 0036 002	Transistor HIT5609C or 2SD468-C		C154	9L0 8900 44M	Ceramic 0.022μF/50V	CK14F1H223Z
Q304	269 0062 906	Transistor DTC124ES	Built in resistor	C201	9L0 8900 44M	Ceramic 0.022µF/50V	CK14F1H223Z
Q305	269 0046 003	Transistor DTA114ES	Built in resistor	C202	254 4256 046	Electrolytic 100µF/25V	CE04W1E101M
Q306	269 0062 906	Transistor DTC124ES	Built in resistor	C204	9LH 2400 67	Ceramic 0.047µF/16V	CK14F1C473Z
Q307	269 0062 906	Transistor DTC124ES	Asis model only	C205	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M
Q308	269 0046 003	Transistor DTA114ES	Asis model only				U.K. model only
Q309	269 0062 906	Transistor DTC124ES	Asis model only	C205	254 4260 074	Electrolytic 4.7µF/50V	CE04W1H4R7M
							Except U.K. model
Q451,452	273 0303 910	Transistor 2SC1740S(S)		C206,207	9L0 8900 43M	Ceramic 0.01µF/16V	CK14Y1C103M
Q453,454	271 0192 002	Transistor 2SA933(S)		C208,209	255 1121 054	Film 0.018µF/50V	CQ93M1H183K
Q455	273 0303 910	Transistor 2SC1740S(S)					U.S.A., Canada
							models only
D101,102	276 0375 002	Diode 1N4531 or 1N4148		C208,209	255 1072 006	Film 0.01µF/50V	CQ93M1H103K
D151,152	1	Diode 1N4531 or 1N4148		1			Except U.S.A.,
/;				1			Canada models
D251	276 0375 002	Diode 1N4531 or 1N4148		C210	254 4260 016	Electrolytic 0.22µF/50V	CE04W1HR22M
	1		1	C211	9LH 2400 67	Ceramic 0.047µF/16V	CK14F1C473Z

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
C212	9L0 8900 22M	Ceramic 100pF/50V	CK14B1H101K	C304L,304R	9L0 8900 22M	Ceramic 100pF/50V	CK14B1H101K
C213	254 4260 061	Electrolytic 3.3µF/50V	CE04W1H3R3M	C305L,305R	9L0 8900 22M	Ceramic 100pF/50V	CK14B1H101K
C214	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M	C306	9L0 8900 43M	Ceramic 0.01µF/16V	CK14Y1C103M
C215	9L0 8900 44M	Ceramic 0.022µF/50V	CK14F1H223Z	C309L,309R	9L0 8900 22M	Ceramic 100pF/50V	CK14B1H101K
C216	9L0 8900 22M	Ceramic 100pF/50V	CK14B1H101K	C310L,310R	254 4260 074	Electrolytic 4.7µF/50V	CE04W1H4R7M
	"	,	Except Europe,	C329	9L0 8900 44M	Ceramic 0.022µF/50V	CK14F1H223Z
			U.K. models	C330	9LH 2400 67	Ceramic 0.047µF/16V	CK14F1C473Z
C218	9L0 8900 41M	Ceramic 6800pF/16V	CK14X 1C682M	C331	254 4256 059	Electrolytic 220µF/25V	CE04W1E221M
C217	254 4256 907	Electrolytic 10µF/25V	CE04W1E100M	C332~335	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M
C218	9L0 8900 41M	Ceramic 6800pF/16V	CK14X1C682M	C336L,336R	254 4260 087	Electrolytic 10μF/50V	CE04W1H100M
C219	9L0 8900 17M	Ceramic 47pF/50V	CC45SL1H470J	C337,338	255 1084 007	Film 0.1μF/50V	CQ93M1H104K
			Europe, U.K.	C339	254 4260 032	Electrolytic 0.47µF/50V	CE04W1HR47M
			models only	C340	254 4260 074	Electrolytic 4.7µF/50V	CE04W1H4R7M
C220,221	254 4256 907	Electrolytic 10µF/25V	CE04W1E100M	C341	254 4260 032	Electrolytic 0.47µF/50V	CE04W1HR47M
C222	9L0 8900 27M	Ceramic 270pF/50V	CK14B1H271K	C342	254 4260 074	Electrolytic 4.7µF/50V	CE04W1H4R7M
			Except Asia model	C343	254 4195 055	Electrolytic 0.15µF/50V	CE04W1HR15M
C223~226	254 4260 074	Electrolytic 4.7µF/50V	CE04W1H4R7M	C344	9LH 2528 79	Electrolytic 3.3µF/50V (LL)	CE04W1H3R3M (LL)
C227,228	9L0 8900 39M	Ceramic 4700pF/16V	CK14X1C472M	C345,346	255 1086 005	Film 0.15μF/50V	CQ93M1H154K
			Europe, U.K.	C347	9LH 2528 79	Electrolytic 3.3µF/50V (LL)	CE04W1H3R3M (LL)
			models only	C348	254 4195 055	Electrolytic 0.15µF/50V	CE04W1HR15M
C231,232	254 4260 074	Electrolytic 4.7μF/50V	CE04W1H4R7M	C349	254 4260 074	Electrolytic 4.7µF/50V	CE04W1H4R7M
C233	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M	C350	254 4260 032	Electrolytic 0.47µF/50V	CE04W1HR47M
C234	9L0 8900 44M	Ceramic 0.022µF/50V	CK14F1H223Z	C351	254 4260 074	Electrolytic 4.7μF/50V	CE04W1H4R7M
C235	9L0 8900 44M	Ceramic 0.022μF/50V	CK14F1H223Z	C352	254 4260 032		CE04W1HR47M
l			Except Europe,	C353,354	1	•	CQ93M1H104K
			U.K. models	C355	254 4261 015	Electrolytic 47µF/25V	CE04W1E470M
C235	9LH 2400 67	Ceramic 0.047µF/16V	CK14F1C473Z	C356	255 1249 907	Film 470pF/50V	CQ93M1H471J
•	,		Europe, U.K.	C357	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M
			models only	C358		Ceramic 680pF/50V	CK14B1H681K
C237	9L0 8900 44M	Ceramic 0.022µF/50V	CK14F1H223Z	C359	254 4260 058	Electrolytic 2.2µF/50V	CE04W1H2R2M
			Europe, U.K.	C360	254 4256 059	Electrolytic 220µF/25V	CE04W1E221M
			models only	C361	9L0 8900 43M	•	CK14Y1C103M CE04W1H010M
C238	9L0 8900 44M		CK14F1H223Z	C362	254 4260 045 9LH 2400 67	Electrolytic 1µF/50V	CK14F1C473Z
C239	9L0 8900 43M	Ceramic 0.01µF/16V	CK14Y1C103M	C363	9LH 2400 67 254 4260 029	Ceramic 0.047µF/16V	CE04W1HR33M
			Except Europe,	C364		Electrolytic 0.33µF/50V Electrolytic 10µF/50V	CE04W1H100M
			U.K. models	C365 C366	1	Electrolytic 220µF/25V	CE04W1F100M
C241,242	9L0 8900 44M		CK14F1H223Z CC45SL1H270J	C367	254 4260 032		CE04W1HR47M
C251,252	253 3131 907	Ceramic 27pF/50V	1	C368	1 "	,	CQ93P1H823J
C253~256	1	Ceramic 47pF/50V	CC45SL1H470J	C369		Ceramic 3300pF/16V	CK14X 1C332M
C257	9L0 8900 35M	•	CK14B1H102K CK14B1H101K	C370	255 4191 007	Film 0.082µF/50V	CQ93P1H823J
C258	9L0 8900 22M	ł	CK14F1C473Z	C371	254 4256 059	Electrolytic 220µF/25V	CE04W1E221M
C259	9LH 2400 67	Ceramic 0.047µF/16V	CE04W1E470M	C372L,372R		Electrolytic 1µF/50V	CE04W1H010M
C260	254 4261 015	Electrolytic 47μF/25V	CQ93M1H223K	C373~375	254 4261 015	Electrolytic 47µF/25V	CE04W1E470M
C262	1	Film 0.022µF/50V Electrolytic 3.3µF/50V (BP)	CE04D1H3R3MBP	C376	9LH 2400 68	Ceramic 0.1µF/50V	CK14F1H104Z
C263	254 3016 038 255 1072 006	Film 0.01µF/50V	CQ93M1H103K	C377L,377R		Ceramic 1500pF/16V	CK14X 1C152M
C264	1 " "	'	CE04W1E101M	C378L,378R	ł	Ceramic 3300pF/16V	CK14X 1C332M
C265	254 4256 046	Electrolytic 100µF/25V	CE04W1E470M	00702,07011	020 0000 00	Coramic cocopi i i ci	0111 111 10002
C281	254 4261 015	Electrolytic 47μF/25V	OCOTIVICAL OIM	C451,452	254 4252 037	Electrolytic 100µF/10V	CE04W1A101M
C301L.301F	9L0 8900 26M	Ceramic 220pF/50V	CK14B1H221K	C453	9L0 8900 43M	Ceramic 0.01µF/16V	CK14Y1C103M
	9L0 8900 31M	1	CK14B1H471K	C455	254 4261 015	Electrolytic 47µF/25V	CE04W1E470M
	9L0 8900 22M	1	CK14B1H101K	C456	254 4250 039	Electrolytic 220µF/6.3V	CE04W0J221M
				<u> </u>			

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
C457	254 4261 015	Electrolytic 47μF/25V	CE04W1E470M	PG102,103	9L2 6742 62	MX 2MM 3P pin post	·
C458	9L0 8900 43M	Ceramic 0.01µF/16V	CK14Y1C103M	PG303A	9LE D007 78	13P FFC connector	
C460	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M	PG605	9L2 9590 57	Pin post (PH 8P)	
C461	9LH 2464 51	Ceramic 30pF/50V	CC45SL1H300J			, , ,	
C462	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M	CN103	9LE F018 68	3P MX connector	
C463	9L0 8900 43M	Ceramic 0.01µF/16V	CK14Y1C103M			**	
C464	9L0 8900 37M	Ceramic 2200pF/16V	CK14X 1C222M	CN301	9LE F018 58	8P MX connector	
C465	254 4260 061	Electrolytic 3.3µF/50V	CE04W1H3R3M	CN302	9LE F018 59	9P MX C to B connector	Asia model only
C466	9L0 8900 43M	Ceramic 0.01µF/16V	CK14Y1C103M	CN304	9LE F014 17	8P connector TXL	
C467	254 4250 055	Electrolytic 470µF/6.3V	CE04W0J471M	l l			
C468	9L0 8900 43M	Ceramic 0.01µF/16V	CK14Y1C103M	JK301	9LE R002 21	8P US pin jack	
C469	254 4250 039	Electrolytic 220µF/6.3V	CE04W0J221M	JK302	9LE R002 33	4P US pin jack	
C470	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M	JK303	9LE P000 32	11P system connector jack	System connector 2
C471	254 4261 015	Electrolytic 47µF/25V	CE04W1E470M				
C472	254 4250 055	Electrolytic 470µF/6.3V	CE04W0J471M	P101	9LE U000 11	Antenna terminal F2P	
·							
CT451	9L0 2814 76R	Trimer capacitor 30pF		TP1~4	9L2 6883 63W	1P pin	
	,			TP6	9L2 6883 63W	1P pin	:
				TP01,02	9L5 7152 31	1P SQ pin	
OTHER PA	ARTS GROU	P	<u></u>				
L302		Axial coil LAL04 101K		N301	9L4 5372 31	Style pin	
L451		Axial coil LAL04 101K					
2.0.				H			
CP151	9LB H000 13	RF block (MW)		H			
CP201	9L2 1457 93	AM IF trans (with C.F)					
		`		11			
TU101	9LH H000 11	Tuner pack	Europe, U.K.				
		·	models only			•	·
TU101	9L2 4286 61	Tuner pack	Except Europe,				
			U.K. models				
T201	9L2 1457 83	FM discriminator trans				·	
T202,203	9L2 1363 14	L.P.F. 19kHz	Europe, U.K.				
·			models only				
T204	9L2 1363 15	L.P.F. 114kHz (RDS)	Europe, U.K. models			·	
			only	ĺ			
T451	9LB J001 81	LC coil (OSD)					
							. 5
CF201,202	261 0064 007	ł	Europe, U.K. models	11			6 <sub>1</sub>
		CFL-SFT10.7MS2-A	only		1		
CF201	261 0135 907		Except Europe, U.K.				
		CFL-SFE10.7MA8-A	models				
CF202	261 0136 906		Except Europe, U.K.				
		CFL-SFE10.7MS2G-A	models			•	
X251		Resonator CST4.19MGW					
X302		Resonator CST8.0MTW				·	
X451	399 0114 003	Crystal HC-49/U	Except U.S.A., Canada	1			
		17.734476MHz	models	]	'		
X451	399 0121 009	Crystal HC-49/U 14,31818MHz	U.S.A., Canada			. *	
			models only				
				L			

#### FL DISPLAY P.W.B. UNIT

IC401 IC402~404 IC405 IC406 IC407 IC481,482	9LC K018 11 9L2 3017 01W 9LC K045 31	IC BU4052 BC IC BA14741F IC BU4066F		CAPACITO C401L,401R	RS GROUP		
IC402~404 IC405 IC406 IC407 IC481,482	9LC K041 21 9LC K018 11 9L2 3017 01W 9LC K045 31	IC BA14741F		C401L.401R			0144.044.045014
IC402~404 IC405 IC406 IC407 IC481,482	9LC K018 11 9L2 3017 01W 9LC K045 31				253 1195 961	Ceramic 4700pF/16V	CK14X1C472M
IC406 IC407 IC481,482	9L2 3017 01W 9LC K045 31	IC BU4066F	1	C402L,402R	253 1197 901	Ceramic 0.047µF/16V	CK14F1C473Z
IC406 IC407 IC481,482	9L2 3017 01W 9LC K045 31			C403L,403R	253 1197 901	Ceramic 0.047µF/16V	CK14F1C473Z
IC407 IC481,482	9LC K045 31	IC BA6209N		C404L,404R	253 1195 929	Ceramic 2200pF/16V	CK14X1C222M
IC481,482		IC BU2090F		C405L,405R	253 1197 901	Ceramic 0.047µF/16V	CK14F1C473Z
- 1	263 0711 000	IC M5218AP	Asia model only	C406L,407R	1	Film 0.012μF/50V	CQ93M1H123K
10 100	9LC P005 51	IC M65844P	Asia model only	C407C	253 1193 976	Ceramic 220pF/50V	CK14B1H221K
i			,	C407L,407R	253 1193 976	Ceramic 220pF/50V	CK14B1H221K
IC601	262 1827 000	IC SAA6579T	Except Asia model	C407S	l	Ceramic 680pF/50V	CK14B1H681K
IC602	9LC K044 71	IC LC7074M	Except Asia model	C408L,408R	253 1193 934	Ceramic 100pF/50V	CK14B1H101K
IC603	9LC K044 82	IC µPD7S044GF-218-3B9		C409,410	254 4256 033	Electrolytic 47µF/25V	CE04W1E470M
.0000				C413L,413R	253 1194 959	Ceramic 1000pF/50V	CK14B1H102K
IC4001	9LC K041 21	IC BA14741F	Asia model only	· ·	l	Electrolytic 3.3µF/50V	CE04W1H3R3M
	9LC K049 01	IC M65840FP	Asia model only	1	!	Electrolytic 0.1µF/50V	CE04W1H0R1M
IC4004	9LC K041 21	IC BA14741F	Asia model only		l	Electrolytic 1µF/50V	CE04W1H010M
	9LC K049 01	IC M65840FP	Asia model only	,		Ceramic 0.047µF/16V	CK14F1C473Z
10-1003	520 No 10 01			C420	ļ	Film 0.1µF/50V	CQ92M1H104J(MRZ
Q401L,401R	269 0080 904	Transistor DTA114TS	Built in resistor	C421,422	1	Ceramic 100pF/50V	CK14B1H101K
Q401L,401H	269 0062 906	Transistor DTC124ES	Built in resistor	C423	l	Electrolytic 47µF/25V	CE04W1E470M
Q402 Q403~406	269 0002 900		Built in resistor	C424,425	1	Ceramic 220pF/50V	CK14B1H221K
	273 0303 910	l	Asia model only	C426	1	Film 0.1µF/50V	CQ92M1H104J(MRZ
Q481,482	273 0303 910	1101313101 20017400(0)	Asia moder only	C427S	1	Electrolytic 1µF/50V	CE04W1H010M
0004	273 0303 910	Transistor 2SC1740S(S)		04275	234 4200 040	Lieudolytic Tp. 750 V	OLO4VV II IO IOW
Q601	928 0028 502	Transistor DTC124ES	Built in resistor	C481,482	252 1100 012	Ceramic 0.01µF/16V	CK14Y1C103M
Q602		Transistor 2SC1740S(S)	Duit in resistor	0401,402	233 1190 910	Ceramic o.orpi / Tov	Asia model only
Q603~607	2/3 0303 910	Transistor 25017405(5)		C483,484	254 0014 005	Electrolytic 0.1µF/50V	CE04W1H0R1M
	070 0000 010	Transister 00017400(0)	Asia madal anh	U463,464	254 90 14 005	Electrolytic 0.1µF/30V	
Q4001L,	273 0303 910	Transistor 2SC1740S(S)	Asia model only	C485,486	050 1100 000	Coromio 220nE/E0V	Asia model only CK14B1H331K
4001R				C465,466	255 1195 992	Ceramic 330pF/50V	
a.a	070 0075 000	Diada 4814504 au 4814440		C407 400	054 4000 050	Flootrobatio C O. F/FOV	Asia model only CE04W1H2R2M
- 1	276 0375 002	1	Asia madal anh	C487,488	254 4200 056	Electrolytic 2.2µF/50V	
D481	276 0375 002	Diode 1N4531 or 1N4148	Asia model only	0400	050 1100 000	Coromio 220 - F/F0\/	Asia model only
		D: 1: 41/4504 -:: 41/4440		C489	253 1193 992	Ceramic 330pF/50V	CK14B1H331K
D601~603	276 0375 002	1	Asis sandal anti-	0400	050 4404 050	O	Asia model only
D604	1	Diode 1N4531 or 1N4148	Asia model only	C490	253 1194 959	Ceramic 1000pF/50V	CK14B1H102K
D605	276 0375 002	Diode 1N4531 or 1N4148	Europe, U.K. models	0.01	054 4000 045	Floring 14's 4 F/FOV	Asia model only
			only	C491	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M
D606	276 0375 002	Diode 1N4531 or 1N4148				= = = .	Asia model only
D607	276 0375 002		Asia model only	C493	254 4256 033	Electrolytic 47µF/25V	CE04W1E470M
D608	276 0375 002	Diode 1N4531 or 1N4148					Asia model only
				C494	253 1198 913	Ceramic 0.01μF/16V	CK14Y1C103M
D4001	9L2 3973 14	LED RLL-20503PD-R15(S)	Asia model only				Asia model only
				C495,496	HMA1000 158	Ceramic 56pF/50V	CK14SL1H560J
ZD401,402	9W2 3318 23	Zener diode HZ9A3	9V				Asia model only
ZD403	i i	Zener diode HZ4C1	4V				
ZD481	276 0452 909	Zener diode HZ3A1	3V Asia model only	C601,602	9L0 8900 14M	Ceramic 27pF/50V	CK14SL1H270J
							Except Asia model
ZD601,602	276 0303 003	Zener diode HZ6C2	6V	C603	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M
DESISTOR	S CROID	Not included carbon fil	m +5% 1/4W\	1			Except Asia model
				C604	254 4260 058	Electrolytic 2.2µF/50V	CE04W1H2R2M
RV401	9LA Y001 51	Variable resistor 50kohm-A x 4	! · · · · · · · · · · · · · · · · · · ·				Except Asia model
RV402 RV481~483	9L0 1581 06 9L0 1581 07	Variable resistor 100kohm B Variable resistor 10kohm B	Balance Asia model only	1 .			

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
C606	HMA 1000 163		CK14B1H561K	C4003L,	253 1193 976	Ceramic 220pF/50V	CK14B1H221K
C606	HIVIA 1000 103	Ceramic Soopi 750 v	Except Asia model	4003R	200 1100 070	Cordinio EEOpriio	Asia model only
C607	252 1109 013	Ceramic 0.01µF/16V	CK14Y1C103M	C4004L.	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M
C007	255 1196 915	Ceramic o.orga / 10V	Except Asia model	4004R	201 1200 001	Licotrolytic Topil rect	Asia model only
0000	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M	C4005L,	253 1198 913	Ceramic 0.01µF/16V	CK14Y1C103M
C608	254 4200 007	Electrolytic Top1750V	Except Asia model	4005R	230 1130 010	Cordinio 0.01pt/104	Asia model only
			Except Asia model	C4006L,	253 1198 913	Ceramic 0.01µF/16V	CK14Y1C103M
0000	254 4256 046	   Electrolytic 100µF/25V	CE04W1E101M	4006R	230 1130 310	Octaine 0.01pi710V	Asia model only
C609	254 9014 005	Electrolytic 0.1µF/50V	CE04W1H0R1M	C4007L,	253 1198 913	Ceramic 0.01µF/16V	CK14Y1C103M
C610	254 9014 003	Ceramic 0.047μF/16V	CK14F1C473Z	4007R	250 1100 010	Columb 0.01pi7101	Asia model only
C611	259 0002 008	Backup cap. 0.047μF/5.5v	EECF5R5U473	C4008L,	255 4199 038	Film 0.068µF/50V	CQ92M1H683K
C613	259 0002 008	1	CK14Y1C103M	4008R	200 4100 000	7 mm 0.000pt 700 V	Asia model only
C614	254 4250 026	Electrolytic 100µF/6.3V	CE04W0J101M	C4009L,	255 4199 038	Film 0.068µF/50V	CQ92M1H683K
C615,616	1		CK14F1H223Z	4009E,	200 4100 000	1 1111 0.000μ1 700 ν	Asia model only
C617	9L0 8900 44M		CK14F1112232 CK14SL1H560J	C4010L,	255 4199 038	Film 0.068µF/50V	CQ92M1H683K
C618	HMA1000 158	1	CK143E1H3003 CK14Y1C103M	4010E,	255 4155 000	1 1111 0.000μ1 700 ν	Asia model only
C619	253 1198 913	•	CE04W1H010M	C4011L,	254 4256 033	Electrolytic 47µF/25V	CE04W1E470M
C620	254 4260 045 253 1197 914	Electrolytic 1µF/50V	CK14F1H104Z	4011R	234 4230 000	Liectrolytic 47 pt 725 v	Asia model only
C623~625			CE04W1HR22M	C4012L,	252 1107 014	Ceramic 0.1µF/50V	CK14F1H104Z
C626	254 4260 016	, ,	1	4012L,	255 1197 914	Ceramic o. rpi /50v	Asia model only
C630,631	253 1198 913	Ceramic 0.01μF/16V	CK14Y1C103M	C4013L.	054 4055 000	Electrolytic 47µF/25V	CE04W1E470M
	054 4000 004	Flactual # 0.00 F/F0\/	OFO4WHI IODOM	4013E,	254 4250 055	Electrolytic 47μF725V	Asia model only
C3001	254 4260 061	Electrolytic 3.3µF/50V	CE04W1H3R3M	C4014L,	050 1107 014	Ceramic 0.1µF/50V	CK14F1H104Z
	0.00 1100 010	0	Asia model only	1 '	255 1197 914	Ceramic o. 1µF/50V	Asia model only
C3002	253 1198 913	Ceramic 0.01μF/16V	CK14Y1C103M	4014R	050 1107 014	Ceramic 0.1µF/50V	CK14F1H104Z
	055 4407 000	Film 0.45 F/50\/	Asia model only	C4015L, 4015R	255 1197 914	Ceramic o. 1µ1750 v	Asia model only
C3003	255 1137 006	Film 0.15µF/50V	CQ92M1H154J Asia model only	C4016L,	252 1105 061	Ceramic 4700pF/16V	CK14X1C472M
00004	054 4000 045	Flooring to 1 E/EOV	CE04W1H010M	4016E,	255 1195 901	Ceramic 47 oppi / Tov	Asia model only
C3004	254 4260 045	Electrolytic 1µF/50V	Asia model only	C4017L.	252 1104 017	Ceramic 470pF/50V	CK14B1H471K
00005	050 1105 000	Coromio 0000nF/16\/	CK14X1C222M	4017E,	255 1154 517	Ocialilic 47 opi 730 v	Asia model only
C3005	253 1195 929	Ceramic 2200pF/16V		C4018L,	252 1109 012	Ceramic 0.01µF/16V	CK14Y1C103M
00000	050 1107 014	Coromio 0 111 E/E0\/	Asia model only CK14F1H104Z	4018R	255 1196 915	Ceramic o.orpi / Tov	Asia model only
C3006	253 1197 914	Ceramic 0.1μF/50V	Asia model only	C4019L,	253 1104 017	Ceramic 470pF/50V	CK14B1H471K
00007.0000	055 4040 000	Film 0.22µF/50V	CQ92M1H224J(MRZ)	4019E,	255 1154 517	Ocianiic 47 opi 730 v	Asia model only
C3007,3008	255 4212 009	Film 0.22μF/30V	, , , ,	C4020L,	254 4260 097	Electrolytic 10µF/50V	CE04W1H100M
	050 4405 000	O	Asia model only CK14X1C222M	4020L,	234 4200 007	Liectiolytic 10µ1/30V	Asia model only
C3009	253 1195 929	Ceramic 2200pF/16V	Asia model only	C4021L,	UMA 1000 157	Ceramic 47pF/50V	CC45SL1H470J
	050 4407 044	0		4021L,	HIMA 1000 157	Ceramic 47 pr 750 v	Asia model only
C3010	253 1197 914	Ceramic 0.1µF/50V	CK14F1H104Z		UMA 1000 157	Ceramic 47pF/50V	CC45SL1H470J
*****	050 1100 010	0	Asia model only	C4022L, 4022R	HIVIA 1000 157	Ceramic 47 pr/30 v	Asia model only
C3011	253 1198 913	Ceramic 0.01μF/16V	CK14Y1C103M	C4023L.	054 4060 007	Electrolytic 10µF/50V	CE04W1H100M
	054 4004 045	F14	Asia model only	4023L,	254 4200 007	Electrolytic Tope750V	Asia model only
C3012	254 4261 015	Electrolytic 47µF/50V	CE04W1H470M	1	050 1105 000	Ceramic 1500pF/16V	CK14X1C152M
		0 100- 5/501/	Asia model only	C4024L,	253 1195 903	Ceramic 1500pr/16V	
C3013	253 1193 934	Ceramic 100pF/50V	CK14B1H101K	4024R	01 0 0000 001	Coromio 10nE/E0\/	Asia model only CK14SL1H100J
	050 4407 011	Oznamia 0 4 / 5/50)/	Asia model only CK14F1H104Z	C4025, 4026	350 0300 080	Ceramic 10pF/50V	Asia model only
C3014	253 1197 914	Ceramic 0.1µF/50V		1	050 1107 014	Coromio 0 11:E/E0V	1
*			Asia model only	C4027L,	200 119/ 914	Ceramic 0.1μF/50V	CK14F1H104Z
			00001411404141	4027R	1044 4000 155	Oaramia 47-5/501/	Asia model only
C4001L,	255 4224 945	Film 0.1μF/50V	CQ92M1H104J(MRZ)	C4028L,	HMA 1000 157	Ceramic 47pF/50V	CC45SL1H470J
4001R		0.0000.77404	Asia model only	4028R	11144 4000 455	Caramia 47nF/50\/	Asia model only
C4002L,	253 1195 929	Ceramic 2200pF/16V	CK14X1C222M	C4029L,	HMA 1000 157	Ceramic 47pF/50V	CC45SL1H470J
4002R			Asia model only	4029R			Asia model only

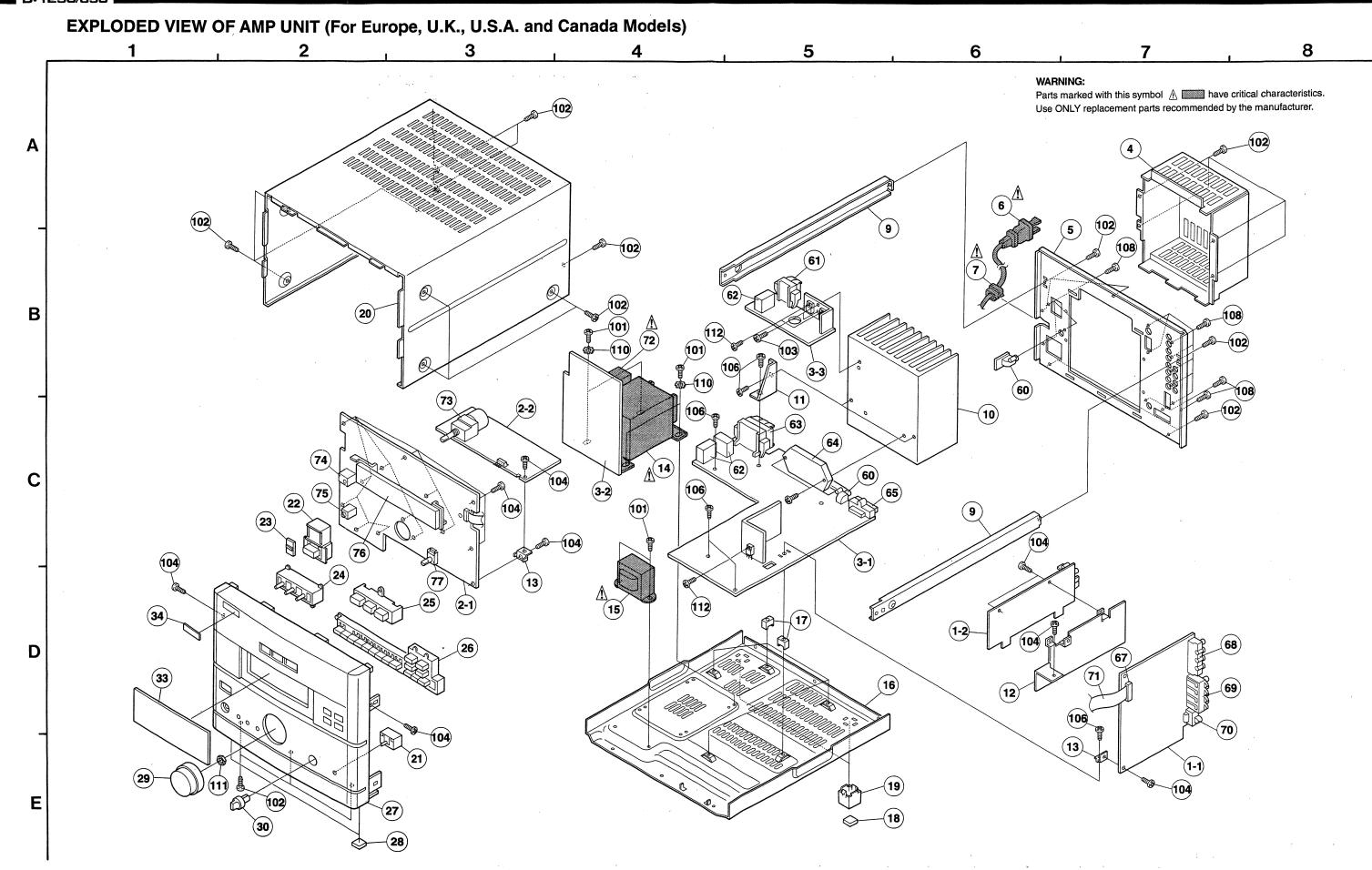
### MAIN P.W.B. UNIT

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
C4030L,		Ceramic 47pF/50V	CC45SL1H470J	SEMICONDUCTORS GROUP			
4030R			Asia model only	IC001	9LC P024 12	IC KIA7806PI	
				IC002	9LC P024 14	IC KIA7809PI	
				IC003	9LC P024 16	IC KIA7812PI	
	DT0 000						
	RTS GROUI			IC501	9LC W001 21	IC STK-400-060	
S601~613	9L2 6396 82R		Asia madal anhi	IC551L,551R	263 0985 001	IC SI18751	
S614~617	9L2 6396 82R		Asia model only	IC581	9L2 3875 82	IC μPC1237HA	
S618~624	9L2 6396 82R	· ·	Event Asia madal				
S625~627	9L2 6396 82R		Except Asia model	PR001,002	268 0072 906	IC protector ICP-N10	
S628	9L2 6396 82R	I act switch		PR003,004	LA2 500U 216	IC protector ICP-N5	
V004	01.0.4704.995	Crystal AT-49 4.332MHz(S)	Except Asia model				
X601	1		Except Asia model	Q004	9W2 3260 21	Transistor 2SC1741(QR)	
X602		Crystal 4.0MHz	Except Asia model	Q005	9L2 3280 83T	Transistor 2SA844E	!
X603	399 0107 007	Resonator CST419MGW		Q006	269 0062 906	Transistor DTC124ES	Built in resistor
	01 5 5004 54	Danamatar OCA16 00MV7046	Asia madal anly	Q007,008	273 0303 910	Transistor 2SC1740S(S)	
X4001	9LB P004 51	Resonator CSA16.00MXZ040	Asia model only	Q009	9L2 3286 25	Transistor 2SB647C	
	a. D D000 04	El display		Q010	9L2 3280 83T	Transistor 2SA844E	
FL601	9LD D000 31	FL display					
		OD MV ata a sat	Asia madal anki	Q501L,501R	9W2 3179 71	Transistor 2SD1468R	
PG302		9P MX pin post	Asia model only	Q502	DB8 00-0 139	Transistor 2SC2235Y	
PG303F		13P FFC connector		Q581	9L2 3280 83T	Transistor 2SA844E	
PG304	9L2 6586 77W	TXL 8P pin post		Q582	9L2 3286 25	Transistor 2SB647C	• .
				Q583,584	9W2 3260 21	Transistor 2SC1741(QR)	
PG604	1	7P B to B connector		Q585	269 0046 003	Transistor DTA114ES	Built in resistor
PG606	9L2 6742 64	MX pin post	Asia model only			,	
			A 1 4.1 mile	D001~008	916 0053 008	Diode 1N4002	
PG4002	9L2 6742 66	7P MX pin post	Asia model only	D009	276 0338 007	Diode S4VB20-4001L20	
		on 774		D010	276 0547 005	Diode S5V20-200	
CN402		2P TXL connector		D014,015	276 0375 002	Diode 1N4531 or 1N4148	
CN403	9L2 9092 86	10P PH C to B connector		D016,017	916 0053 008	Diode 1N4002	,
				D018,019	276 0375 002	Diode 1N4531 or 1N4148	
CN601	9LE F018 79	7P MX C to B connector		D022,023	276 0375 002	Diode 1N4531 or 1N4148	·
CN602		2P MX 2MM connector					
CN603		5P MX C to B connector		D501~504	276 0375 002	Diode 1N4531 or 1N4148	,
CN604		7P B to B connector		D551,552	276 0375 002	Diode 1N4531 or 1N4148	
CN605	9LE F042 51	8P PH connector	Except Asia model	D581	1 .	Diode 1N4531 or 1N4148	
CN605	9L2 9092 31	8P PH C to B connector	Asia model only	D582	1	Diode 1N4002	
CN606	9LE F018 69	5P MX 2MM connector	Asia model only				,
				ZD001,002	276 0173 068	Zener diode HZ6B3	6V
CN4002	9L2 9765 49	7P MX 2MM connector	Asia model only	ZD003	i	Zener diode HZ12B2	12V
				ZD004	f .	Zener diode HZ24-2L	24V
JK481,482	9LE R002 51	Mic jack	Asia model only	ZD005,006		Zener diode HZ7B2	7V
JK601	9L2 6950 32	Headphone jack					
					l		
IR801	9LH N000 31	Reciving unit SBX1910-52	·		· · · · · · · · · · · · · · · · · · ·	Not included carbon fil	
				R001	9LH 1390 05	Carbon compo. 2.7Mohm 1/2W	
E601	9LN J016 41	FL holder					U.S.A. and Canada
			İ				models
P001	9L2 6883 63W	1P pin		R002~004		Carbon film 1kohm 1/2W	RD14B2H102J
				R015	244 0091 020	Metal oxide 270ohm 2W	RS14B3D271JNBF
				R024	241 0197 006	Carbon film 3.3kohm 1/2W	RD14B2H332J

ABBOOL-15   25 11862.0   Figure readers 1906 in 1994   Phil Abb 15 1816   1994   Phil Abb 15 1816   1994   Phil Abb 15 1816   1994   Phil Abb 15 1816   1994   Phil Abb 15 1816   1994   Phil Abb 15 1816	Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
### RS21_S211_241 10137 008 Carbon film Tolom 1/2W RD1482H100J RS28_242E2 82 10137 008 Carbon film	∆ R509-511	9L1 1106 21	Fuse resistor 100ohm 1/4W	RD14B4E101JFR	C519L,519R	253 1024 003	Ceramic 0.01µF/50V	
RS21_E221   241 0137 008   Carbon film 100min 120W   PD1482H100J   RS23_R24   241 0137 008   Carbon film 100min 122W   PD1482H100J   RS23_R24   241 0137 008   Carbon film 100min 122W   PD1482H100J   RS25_R2587   244 0080 002   Mixel axide 300min 20W   RS1483031.NBP   RS57_L575P   241 0137 008   Carbon film 100min 122W   PD1482H100J   RS58_L5587   241 0137 008   Carbon film 100min 122W   PD1482H100J   RS58_L5587   241 0137 008   Carbon film 100min 122W   PD1482H100J   RS58_L5587   244 0082 000   Mixel axide 370min 20W   RS1483D3T1.NBP   RS58_RS587   244 0082 000   Mixel axide 470min 20W   RS1483D3T1.NBP   RS58_RS587   244 0082 000   Mixel axide 470min 20W   RS1483D3T1.NBP   RS58_RS587   244 0082 000   Mixel axide 470min 20W   RS1483D3T1.NBP   CS58_L588P   244 280 689   Electrolyte 20pt.FS60V   CS59_LS58F   254 4280 699   Electrolyte 20pt.FS60V   CS59_LS58F   254 4280	<b></b> Δ.R514		Fuse resistor 100ohm 1/4W	RD14B4E101JFR	C521	253 1024 003	Ceramic 0.01µF/50V	CK45F1H103Z
R6252824   24 1037 006   Carbon film 10bm 12W   R01482H100J   R5258_558   24 4080 007   Film 0.1pF50V   CD93M1H09XJ   CS551_S587   24 1037 006   Carbon film 10bm 12W   R01482H100J   R548_5587   24 1037 006   Carbon film 10bm 12W   R01482H100J   R548_5587   24 1037 006   Carbon film 10bm 12W   R01482H100J   R548_5687   24 1037 006   Carbon film 10bm 12W   R01482H100J   R01482H	R521L,521R	241 0137 008	Carbon film 10ohm 1/2W	RD14B2H100J	C522	9L0 8900 43M	Ceramic 0.01µF/16V	CK14Y1C103M
RSSEL_SSER   244 0080 000   Metal coids 330/mm 2W   RS14830313/NBF   RS58_ESSER_SSER   244 0080 000   Metal coids 470/mm 2W   RS1483071/NBF   RS58_ESSER_SSER_244 0080 000   Metal coids 470/mm 2W   RS1483071/NBF   RS59_244 0080 000   Metal coids 470/mm 2W   RS1483071/NBF   RS54_ESSER_SSER_244 0080 000   Metal coids 470/mm 2W   RS1483071/NBF   RS54_ESSER_255_ESSER	R522L,522R	241 0137 008	Carbon film 10ohm 1/2W	RD14B2H100J	C523	254 4261 028	Electrolytic 100µF/50V	CE04W1H101M
R55T_L557  241 0137 005   Carbon film 100/m 1/2W   R01482H100J   R0148	R523,524	241 0137 008	Carbon film 10ohm 1/2W	RD14B2H100J	C524	255 1084 007	Film 0.1µF/50V	CQ93M1H104K
R588_L588  24 1013 208   Cathon film 100m f2W   R514830471.NBF R589   24 4002 000   Metal coids 470bm 2W   R514830471.NBF R5	R525L,525R	244 0080 002	Metal oxide 330ohm 2W	RS14B3D331JNBF	C525	255 1122 024	Film 0.068µF/50V	CQ93M1H683J
R586_857   244 0082 000   Metal oxide 4700hm 2W   R514830471.NBF   R514830471.NBF   R514830471.NBF   R514830471.NBF   R514830471.NBF   R514830471.NBF   C557L_557R   255 1084 007   Film 0.1pF50V   C094W1H00M   C657L_557R   255 1084 007   Film 0.1pF50V   C094W1H00M   C657L_557R   255 1084 007   Film 0.1pF50V   C094W1H00M   C657L_557R   C558L_558R   C557L_557R   C558L_557R   C558L_558R   C557L_557R   C558L_558R   C557L_557R   C558L_557R   C558L_558R   C557L_557R   C558L_557R   C558L_558R   C557L_557R   C558L_557R   C558L	R557L,557R	241 0137 008	Carbon film 10ohm 1/2W	RD14B2H100J	C551	9L0 8900 31M	Ceramic 470pF/50V	CK14B1H471K
R599	R558L,558R	241 0137 008	Carbon film 10ohm 1/2W	RD14B2H100J	C552L,552R	254 4260 058	Electrolytic 2.2µF/50V	CE04W1H2R2M
R594	R586,587	244 0082 000	Metal oxide 470ohm 2W	RS14B3D471JNBF	C554L,554R	254 4256 056	Electrolytic 100µF/25V	CE04W1E101M
CAPACITORS GROUP  Δ C001,002 9LA J002 74 Ceramic 0.0047μF400V CX45F2GAC472M Europe, U.K. Assa modes modes modes modes modes consistency of the construction of the co	R590	244 0082 000	Metal oxide 470ohm 2W	RS14B3D471JNBF	C555,556	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M
CAPACITORS GROUP  A. C001,002 9LA J002 73	R594	244 0101 020	Metal oxide 1.8kohm 2W	RS14B3D182JNBF	C557L,557R	255 1084 007	Film 0.1μF/50V	CQ93M1H104K
\$\frac{A}{C}\$C01,002\$ \$ 9i.A \] \$ 0.0275 \$ \text{C}\$camic 0.047ijF400V \\  \text{C}\$\q\q\q\q\q\q\q\q\q\q\q\q\q\q\q\q\q\q\q	CARACITO	DE CEOUE			C558L,558R	255 1084 007	Film 0.1µF/50V	CQ93M1H104K
## C001,002 PLA J002 74   Caramic 0.01µF/600V   Caramic 0.01µF/600V   CASSF1H103Z   CBSH   CB				CV4FFDC4C470M	C559L,559R	9LH 2400 68	Ceramic 0.1µF/50V	CK14F1H104Z
CO01,002   SLA J002 74   Ceramic 0.01µF400V   CK45F2GAC103M   U.S.A., Caradra models   CEVAPUTION   CEVAPUT	ALC001,002	SLA JUUZ /3	Ceramic 0.0047µF/4009		C560,561	9L0 8900 43M	Ceramic 0.01µF/16V	CK14Y1C103M
Δ. C001,002         SLA J002 74         Ceramic 0.01µF/400V         CK45F29ACT03M U.S.A., Canada models         CS62 C583         251121 067 Film 2022µF/50V         CEC44VT1523M         CS63 C584         25121 067 Film 2022µF/50V         CEC44VT1523M         CEC45 C583         C5121 10 67 Film 2022µF/50V         CEC44VT1523M         CEC44VT1522M         CEC44VT1522M         CEC44VT1522M         CEC44VT1522M         CEC44VT1522M         AF 001         9L 2 7280 76         Fisse T2A         Asia model         Asia model         Asia model         Asia model         AF 001         9L 2 7280 76         Fisse T2A         Asia model         Asia model         Asia model         Asia model         AF 001         9L 2 7280 76         Fisse T2A         Asia model         Asia model         Asia model         AF 001         9L 2 7280 76         Fisse T2A         Asia model         Asia model         AF 002         9L 2 7280 76         Fisse T2A         Asia model         Asia model         AF 001         9L 2 7280 76         Fisse T2A         Asia model         AF 002         AF 002					C581	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M
U.S.A., Carneda models   Cos3,004   SLA L003 21   Electrolytic 5600µF/50V   Co643=H656M SMH   Co05,006   254 4256 091   Electrolytic 2200µF/50V   CE04W1H222M   Co09,010   254 4256 095   Electrolytic 220µF/50V   CE04W1H222M   Co11   254 4256 091   Electrolytic 220µF/50V   CE04W1H222M   Co13,014   Sl.0 2445 7H5   Coramic 0.01µF/50V   CE04W1H22M   Co11,014   Sl.0 2445 7H5   Coramic 0.01µF/50V   CE04W1H22M   Co11,014   Sl.0 2445 7H5   Coramic 0.01µF/50V   CE04W1H22M   Co11,014   Sl.0 2445 7H5   Coramic 0.01µF/50V   CE04W1H303Z   Co21   252 1024 003   Coramic 0.01µF/50V   CE04W1H303Z   Co21   252 1024 003   Coramic 0.01µF/50V   CE04W1H303Z   Co22   253 1024 003   Coramic 0.01µF/50V   CE04W1H303Z   Co22   254 4260 074   Electrolytic 100µF/50V   CE04W1H303Z   Co23   254 4260 074   Electrolytic 100µF/50V   CE04W1H303Z   Co25   254 4261 073   Electrolytic 220µF/50V   CE04W1H303Z   Co26   254 4261 073   Electrolytic 220µF/50V   CE04W1H303Z   Co26   254 4261 075   Electrolytic 220µF/50V   CE04W1H303Z   Co26   254 4261 075   Electrolytic 220µF/50V   CE04W1H303Z   Co26   254 4261 075   Electrolytic 220µF/50V   CE04W1H303Z   Co26	A 0004 000	01.8 1000.74	Committee of Market Market		C582	254 4258 031	Electrolytic 33µF/35V	CE04W1V330M
C003,004   SLA L003 21   Electrolytic 5600µF/560V   CE04W1E20M   CE	ALCOV1,002	SLA JUUZ 14	Ceramic o.u (µr)4009		C583	255 1121 067	Film 0.022µF/50V	CQ93M1H223J
C003,004   SLA L003 21   Electrolytic 15600µF/50V   CE04W1H222M   CE04W1H222M   Δ F001   SL2 7228 17.5   Fuse T2A   Asia models   AF001   SL2 7228 7.5   Fuse T3.5   Asia model   AF002   SL2 7228 7.5   Fuse T3.5   Asia					C584	254 4256 056	Electrolytic 100µF/25V	CE04W1E101M
C005,006         254 4256 091         Electrolytic 220µF/50V         CE04W1H222M         OTHER PARTS GROUP           C007         254 4256 059         Electrolytic 220µF/25V         CE04W1E221M         ΔF001         9L2 7282 075         Fuse 72 A         Europe, U.K., models           C009,010         254 4256 059         Electrolytic 220µF/56V         CE04W1E221M         ΔF001         9L2 7272 39         Fuse 13 15A         Asia model           C012         254 4256 091         Electrolytic 220µF/56V         CE04W1H222M         ΔF001         9L2 7280 75         Fuse 72A         Asia model           C013,014         9L0 2445 71E         Geramic 0.01µF/50V         CE04W1H221M         ΔF001         9L2 7280 75         Fuse 7580mA         Europe, U.K., Asia model           C015,016         253 1024 003         Electrolytic 10µF/50V         CK45F1H103Z         AF003         9L2 7280 75         Fuse 7580mA         Europe, U.K., Asia models           C022         254 4260 074         Electrolytic 10µF/50V         CK45F1H103Z         AF003         9L2 7280 77         Fuse 1530mA         Europe, U.K., Asia models           C023         254 4260 1078         Electrolytic 10µF/50V         CE04W1H477M         CE04W1H477M         AF004         9L2 7280 77         Fuse 15A 125V         U.S.A. Canada models           C0	C003.004	01 / 1 003 21	Electrolytic 5600u E/50V					
COO7			l ' '		OTHER PA	ARTS GROU	P	
C008   254 4256 088   Electrolytic 1000μF/25V   CE04W1E102M   Δ F001   9L2 7277 29   Fuse T3.15A   Asia model   C009,010   254 4256 091   Electrolytic 220μF/55V   CE04W1E22M   Δ F002   9L2 7280 75   Fuse T4.15V   U.S.A., Canada models   C013,014   9L0 2445 7F   Ceramic 0.01μF/50V   CE04W1H103Z   Δ F003   9L2 7280 75   Fuse T580mA   Europe, U.K., Asia model   C013,014   9L0 2445 7F   Ceramic 0.01μF/50V   CE04W1H103Z   Δ F003   9L2 7280 75   Fuse T630mA   Europe, U.K., Asia model   C017-020   254 4260 087   Electrolytic 10μF/50V   CE04W1H100M   C021,022   253 1024 003   Ceramic 0.01μF/50V   CE04W1H100M   C021,022   253 1024 003   Ceramic 0.01μF/50V   CE04W1H47M   C024   254 4261 028   Electrolytic 10μF/50V   CE04W1H101M   Δ F004   9L2 7280 77   Fuse T5A   Surope, U.K., Asia models   C026   254 4261 073   Electrolytic 20μF/50V   CE04W1H470M   C026   254 4261 073   Ceramic 0.01μF/50V   CE04W1H470M   C027   253 1024 003   Ceramic 0.01μF/50V   CE04W1H470M   C023,034   253 1024 003   Ceramic 0.01μF/50V   CE04W1H470M   C033,034   253 1024 003   Ceramic 0.01μF/50V   CE04W1H470M   C033,034   253 1024 003   Ceramic 0.01μF/50V   CE04W1H470M   C035   9L1 2400 67   Ceramic 0.01μF/50V   CE04W1H470M   C035   Sultable for the follow of the f			' '					Funne IIK models
C009,010   254 4256 059   Electrolytic 220μF/25V   CE04W1E221M								
C011 254 4256 091 Electrolytic 2200µF/50V CE04W1H222M			1					
C012 254 4260 087 C013,014 9L0 2445 71F Ceramic 0.01µF/50V CK45F1H103Z C017-020 254 4260 102 Ceramic 0.01µF/50V CK45F1H103Z C021-022 253 1024 003 Ceramic 0.01µF/50V CK45F1H103Z C021-022 253 1024 003 Ceramic 0.01µF/50V CK45F1H103Z C023 254 4260 074 C024 254 4260 074 C024 254 4260 074 C025 254 4261 073 C025 254 4261 073 C026 254 4261 073 C026 254 4261 073 C026 254 4261 073 C026 254 4261 073 C026 254 4261 073 C027 253 1024 003 Ceramic 0.01µF/50V CE04W1H101M C027 253 1024 003 C032 254 4262 077 C027 253 1024 003 C032 254 4261 073 C026 254 4261 073 C026 254 4261 073 C026 254 4261 073 C026 254 4261 073 C027 253 1024 003 C032 254 4262 037 C032 254 4262 037 C032 254 4262 037 C033 034 254 4262 037 C033 034 254 4262 037 C033 034 254 4262 037 C033 034 C032 254 4262 037 C033 034 C032 254 4262 037 C033 034 C032 254 4262 037 C033 034 C032 254 4262 037 C033 034 C032 254 4262 037 C033 034 C032 254 4262 037 C033 034 C032 254 4262 037 C033 034 C032 254 4262 037 C033 034 C032 254 4262 037 C033 034 C032 254 4260 035 C032 C032 C032 254 4262 037 C033 034 C032 C032 C032 C032 C032 C032 C032 C032								
C013,014 9L0 2445 71F	1		1 '					
C015,016 253 1024 003 Ceramic 0.01μF/50V CK45F1H103Z C017-020 254 4260 087 Electrolytic 10μF/50V CC94W1H100M C021,022 253 1024 003 Ceramic 0.01μF/50V CE04W1H403M	1		1 ' '					
C017-020         254 4260 087         Electrolytic 10μF/50V         CE04W1H100M         d F004         9L2 7280 77         Fuse T1A         models           C021,022         253 1024 003         Ceramic 0.01μF/50V         CK45F1H103Z         d F004         9L2 7280 77         Fuse T1A         Europe, U.K., Asia models           C024         254 4261 028         Electrolytic 10µF/50V         CE04W1H101M         Δ F005,006         9L2 7224 13         Fuse 1.6A 125V         U.S.A., Canada models           C025         254 4261 073         Electrolytic 10µF/50V         CE04W1H221M         Δ F005,006         9L2 7224 13         Fuse 1.6A 125V         U.S.A., Canada models           C026         254 4261 075         Electrolytic 10µF/50V         CC64W1H21M         A F005,006         9L2 7224 16         Fuse 1.6A 125V         U.S.A., Canada models           C027         253 1024 003         Ceramic 0.01µF/50V         CK45F1H103Z         A F005,006         9L2 7224 16         Fuse holder         Fuse holder           C033,034         253 1024 003         Ceramic 0.01µF/50V         CK45F1H103Z         E005,006         9L2 7292 52R         Fuse holder         Fuse holder           C501L,501R         9L 9800 31M         Ceramic 0.047µF/50V         CK14B1H471K         JK001         9LE 9004 91         15P socket         15P s	1		•	1	∆.F003	9L2 7224 66	Fuse 500mA 250V	
CO21,022         253 1024 003         Ceramic 0.01μF/50V         CK45F1H103Z         Δ F004         9L2 7280 77         Fuse T1A         Europe, U.K., Asia models           CO23         254 4260 074         Electrolytic 4.7μF/50V         CE04W1H4R7M         Δ F004         9L2 7224 13         Fuse 1.6A 125V         U.S.A., Canada models           CO25         254 4261 073         Electrolytic 100μF/50V         CE04W1H421M         Δ F005,006         9L2 7277 22         Fuse 1.6A 125V         U.S.A., Canada models           CO26         254 4261 073         Electrolytic 47μF/50V         CE04W1H470M         Δ F005,006         9L2 7224 13         Fuse 1.6A 125V         U.S.A., Canada models           CO27         253 1024 003         Ceramic 0.01μF/50V         CK45F1H103Z         Δ F005,006         9L2 7224 16         Fuse 3A 250V         U.S.A., Canada models           C032         254 4252 037         Ceramic 0.01μF/16V         CK45F1H103Z         E005,006         9L2 7292 52R         Fuse holder         Asia model only           C031,501R         9L0 8900 31M         Ceramic 0.01μF/50V         CK45F1H103Z         E005-012         9L2 7292 52R         Fuse holder         Asia model only           C502         9L0 8900 31M         Ceramic 470pF/50V         CK14B1H471K         JK002,003         JE F002 41         1P US pin jack								
C023         254 4260 074         Electrolytic 4.7μF/50V         CE04W1H4R7M         Δ F004         9L 7224 13         Fuse 1.6A 125V         models           C024         254 4261 073         Electrolytic 100μF/50V         CE04W1H221M         Δ F005,006         9L 7277 22         Fuse 1.6A 125V         Europe, U.K., Asia models           C026         254 4261 015         Electrolytic 47μF/50V         CE04W1H470M         CE04W1H470M         December 2.53 1024 003         Ceramic 0.01μF/50V         CK45F1H103Z         E001,002         9L 7224 15         Fuse 3A 250V         U.S.A., Canada models           C032         254 4252 037         Ellectrolytic 100μF/10V         CE04W1H010M         E001,002         9L 7224 15         Fuse A 250V         U.S.A., Canada models           C033,034         253 1024 003         Ceramic 0.01μF/50V         CK45F1H103Z         E001,002         9L 7224 15         Fuse holder         Asia model only           C033,034         253 1024 003         Ceramic 0.01μF/50V         CK45F1H103Z         E003,004         9L 7292 52R         Fuse holder         Asia model only           C501L,501R         9L0 8900 31M         Ceramic 470pF/50V         CK14B1H471K         JK001         9LE D004 91         15P socket         1P US pin jack           C505         9L0 8900 22M         Ceramic 100pF/50V			1		ÆF004	9L2 7280 77	Fuse T1A	Europe, U.K., Asia
C024			· .	CE04W1H4R7M				
C026				CE04W1H101M	<b>∆</b> F004	9L2 7224 13	Fuse 1.6A 125V	U.S.A., Canada models
C027 253 1024 003 Ceramic 0.01μF/50V CK45F1H103Z C030 9L0 8900 43M Ceramic 0.01μF/50V CK14Y1C103M C2032 254 4252 037 Electrolytic 100μF/10V CE04W1A101M C035 9LH 2400 67 Ceramic 0.047μF/50V CK14F1H473Z E005-012 9L2 7292 52R Fuse holder E003,004 9L2 7292 52R Fuse holder E003,004 9L2 7292 52R Fuse holder Asia model only E005-012 9L2 7292 52R Fuse holder E005-012 9L2 7292 52R Fuse holder E005-012 9L2 7292 52R Fuse holder Asia model only E005-012 9L2 7292 52R Fuse holder E005-012	C025	254 4261 073	Electrolytic 220µF/50V	CE04W1H221M	Æ F005,006	9L2 7277 22	Fuse T2.5A	Europe, U.K., Asia
C030	C026		ļ ·	CE04W1H470M				
C032   254 4252 037   Electrolytic 100μF/10V   CE04W1A101M   E001,002   9L2 7292 52R   Fuse holder   Asia model only	C027	253 1024 003	Ceramic 0.01µF/50V	CK45F1H103Z	∆ F005,006	9L2 7224 16	Fuse 3A 250V	U.S.A., Canada models
C033,034 253 1024 003 Ceramic 0.01μF/50V CK14F1H103Z E005-012 9L2 7292 52R Fuse holder  C501L,501R 9L0 8900 31M Ceramic 470pF/50V CK14B1H471K C502 9L0 8900 31M Ceramic 470pF/50V CK14B1H471K C503L,503R 254 4260 045 Electrolytic 1μF/50V CE04W1H010M C506L,506R 9L0 8900 22M Ceramic 100pF/50V CK14B1H01K C507 254 4256 056 Electrolytic 10μF/50V CE04W1E101M C509-514 254 4261 028 Electrolytic 10μF/50V CE04W1H010M C515L,515R 255 1084 007 Film 0.1μF/50V CQ93M1H104K CN551 9L2 9091 33 5P H connector L=100 C517,518 255 1084 007 Film 0.1μF/50V CQ93M1H104K CQ33M1H104K CN551 9L2 9091 33 5P H connector L=100 CK14B1H04K CN551 9L2 9091 33 5P H connector L=100 CK151 9L2 9091 33 5P H connector L=100 CK151 9L2 9091 33 5P H connector L=100 CK151 9L2 9091 33 5P H connector L=100 CR33H104K CN551 9L2 9091 33 5P H connector L=100 CK151 9L2 9091 34 5P H connector L=100 CK151 9L2 9091 34 5P H	C030	9L0 8900 43M	Ceramic 0.01µF/16V	CK14Y1C103M				
C035 9LH 2400 67 Ceramic 0.047μF/50V CK14F1H473Z E005-012 9L2 7292 52R Fuse holder  C501L,501R 9L0 8900 31M Ceramic 470pF/50V CK14B1H471K C502 9L0 8900 31M Ceramic 470pF/50V CK14B1H471K C503L,503R 254 4260 045 Electrolytic 1μF/50V CE04W1H010M C505 9L0 8900 22M Ceramic 100pF/50V CK14B1H101K C507 254 4256 056 Electrolytic 100μF/25V CE04W1E101M C509-514 C509-514 C515L,515R C55 1084 007 Film 0.1μF/50V CQ93M1H104K CN051 9L2 9090 44 CN551 9L2 9090 43 5P PH connector L=100 C517,518 255 1084 007 Film 0.1μF/50V CQ93M1H104K CN551 9L2 9091 33 5P PH connector L=100 CK14B1H104K CN551 9L2 9091 33 5P PH connector L=100 CK151 PH connector L=100 CK151 PH connector L=100 CK14B1H104K CN551 9L2 9091 33 5P PH connector L=100 CK151 PH connector L=100 CK14B1H104K CN551 9L2 9091 33 CK14B1H104K CN551 9L2 9091 33 SP PH connector L=100 CK14B1H104K CN551 9L2 9091 33 SP PH connector L=100 CK14B1H104K CN551 9L2 9091 33 SP PH connector L=100 CK14B1H104K CN551 9L2 9091 33 SP PH connector L=100 CK14B1H104K CN551 9L2 9091 33 SP PH connector L=100 CK14B1H104K CN551 9L2 9091 33 SP PH connector L=100 CK14B1H104K CN551 9L2 9091 33 SP PH connector L=100 CK14B1H104K CN551 PH con	C032	254 4252 037	Electrolytic 100µF/10V	CE04W1A101M	E001,002	9L2 7292 52R	Fuse holder	
C501L,501R 9L0 8900 31M	C033,034	253 1024 003	Ceramic 0.01µF/50V	CK45F1H103Z	E003,004	9L2 7292 52R	Fuse holder	Asia model only
C502         9L0 8900 31M         Ceramic 470pF/50V         CK14B1H471K         JK002,003         9LE R002 41         1P US pin jack           C503L,503R         254 4260 045         Electrolytic 1μF/50V         CE04W1H010M         JK502         9LE U003 61         6P SP terminal           C505         9L0 8900 22M         Ceramic 100pF/50V         CK14B1H101K         JK551         9LE U000 86         4P SP terminal           C507         254 4256 056         Electrolytic 100μF/25V         CE04W1E101M         CN001         9LE F018 77         2P MX connector           C509~514         254 4261 028         Electrolytic 100μF/25V         CE04W1E101M         CN102         9LE F018 78         3P MX connector           C515L,515R         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN501         9L2 9090 44         2P PH connector           C517,518         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN551         9L2 9091 33         5P PH connector L=100	C035	9LH 2400 67	Ceramic 0.047µF/50V	CK14F1H473Z	E005~012	9L2 7292 52R	Fuse holder	
C502         9L0 8900 31M         Ceramic 470pF/50V         CK14B1H471K         JK002,003         9LE R002 41         1P US pin jack           C503L,503R         254 4260 045         Electrolytic 1μF/50V         CE04W1H010M         JK502         9LE U003 61         6P SP terminal           C505         9L0 8900 22M         Ceramic 100pF/50V         CK14B1H101K         JK551         9LE U000 86         4P SP terminal           C507         254 4256 056         Electrolytic 100μF/25V         CE04W1E101M         CN001         9LE F018 77         2P MX connector           C509~514         254 4261 028         Electrolytic 100μF/25V         CE04W1E101M         CN102         9LE F018 78         3P MX connector           C515L,515R         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN501         9L2 9090 44         2P PH connector           C517,518         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN551         9L2 9091 33         5P PH connector L=100								
C503L,503R         254 4260 045         Electrolytic 1μF/50V         CE04W1H010M         JK502         9LE U003 61         6P SP terminal           C505         9L0 8900 22M         Ceramic 100pF/50V         CK14B1H101K         JK551         9LE U000 86         4P SP terminal           C507         254 4256 056         Electrolytic 100μF/25V         CE04W1E101M         CN001         9LE F018 77         2P MX connector           C509~514         254 4261 028         Electrolytic 100μF/25V         CE04W1E101M         CN102         9LE F018 78         3P MX connector           C515L,515R         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN501         9L2 9090 44         2P PH connector           C517,518         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN551         9L2 9091 33         5P PH connector L=100	C501L,501R	9L0 8900 31M	Ceramic 470pF/50V	CK14B1H471K	JK001	9LE D004 91	15P socket	
C504         254 4260 045         Electrolytic 1μF/50V         CE04W1H010M         JK502         9LE U003 61         6P SP terminal           C505         9L0 8900 22M         Ceramic 100pF/50V         CK14B1H101K         JK551         9LE U000 86         4P SP terminal           C506L,506R         9L0 8900 22M         Ceramic 100pF/50V         CK14B1H101K         CN001         9LE F018 77         2P MX connector           C508L,508R         254 4256 056         Electrolytic 100μF/25V         CE04W1E101M         CN102         9LE F018 78         3P MX connector           C509~514         254 4261 028         Electrolytic 100μF/50V         CE04W1H101M         CN501         9L2 9090 44         2P PH connector           C515L,515R         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN551         9L2 9091 33         5P PH connector L=100           C517,518         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN551         9L2 9091 33         5P PH connector L=100	C502	9L0 8900 31M	Ceramic 470pF/50V	CK14B1H471K	JK002,003	9LE R002 41	1P US pin jack	
C505         9L0 8900 22M         Ceramic 100pF/50V         CK14B1H101K         JK551         9LE U000 86         4P SP terminal           C506L,506R         9L0 8900 22M         Ceramic 100pF/50V         CK14B1H101K         CN001         9LE F018 77         2P MX connector           C508L,508R         254 4256 056         Electrolytic 100μF/25V         CE04W1E101M         CN102         9LE F018 78         3P MX connector           C509~514         254 4261 028         Electrolytic 100μF/50V         CE04W1H101M         CN501         9L2 9090 44         2P PH connector           C515L,515R         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN551         9L2 9091 33         5P PH connector L=100           C517,518         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN551         9L2 9091 33         5P PH connector L=100	C503L,503R	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M				
C506L,506R         9L0 8900 22M         Ceramic 100pF/50V         CK14B1H101K         CN001         9LE F018 77         2P MX connector           C508L,508R         254 4256 056         Electrolytic 100μF/25V         CE04W1E101M         CN102         9LE F018 78         3P MX connector           C509~514         254 4261 028         Electrolytic 100μF/50V         CE04W1H101M         CN501         9L2 9090 44         2P PH connector           C515L,515R         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN551         9L2 9091 33         5P PH connector L=100           C517,518         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN551         9L2 9091 33         5P PH connector L=100	C504	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M	JK502	9LE U003 61	6P SP terminal	*
C507         254 4256 056         Electrolytic 100μF/25V         CE04W1E101M         CN001         9LE F018 77         2P MX connector           C508L,508R         254 4256 056         Electrolytic 100μF/25V         CE04W1E101M         CN102         9LE F018 78         3P MX connector           C509~514         254 4261 028         Electrolytic 100μF/50V         CE04W1H101M         CN501         9L2 9090 44         2P PH connector           C515L,515R         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN551         9L2 9091 33         5P PH connector L=100           C517,518         255 1084 007         Film 0.1μF/50V         CQ93M1H104K         CN551         9L2 9091 33         5P PH connector L=100	C505	9L0 8900 22M	Ceramic 100pF/50V	CK14B1H101K	JK551	9LE U000 86	4P SP terminal	
C508L,508R 254 4256 056 Electrolytic 100μF/25V CE04W1E101M CN102 9LE F018 78 3P MX connector 254 4261 028 Electrolytic 100μF/50V CQ93M1H104K CN501 9L2 9090 44 2P PH connector CS16L,516R 255 1084 007 Film 0.1μF/50V CQ93M1H104K CN551 9L2 9091 33 5P PH connector L=100 C517,518 255 1084 007 Film 0.1μF/50V CQ93M1H104K CN551 9L2 9091 33 5P PH connector L=100	C506L,506R	9L0 8900 22M	Ceramic 100pF/50V	CK14B1H101K				
C509~514 254 4261 028 Electrolytic 100μF/50V CE04W1H101M C515L,515R 255 1084 007 Film 0.1μF/50V CQ93M1H104K CN501 9L2 9090 44 2P PH connector C516L,516R 255 1084 007 Film 0.1μF/50V CQ93M1H104K CN551 9L2 9091 33 5P PH connector L=100 C517,518 255 1084 007 Film 0.1μF/50V CQ93M1H104K	C507	254 4256 056	Electrolytic 100µF/25V	CE04W1E101M	1	9LE F018 77	2P MX connector	
C515L,515R 255 1084 007 Film 0.1μF/50V CQ93M1H104K CN501 9L2 9090 44 2P PH connector CN516L,516R 255 1084 007 Film 0.1μF/50V CQ93M1H104K CN551 9L2 9091 33 5P PH connector L=100 CQ93M1H104K CN517,518 255 1084 007 Film 0.1μF/50V CQ93M1H104K	C508L,508R	254 4256 056	Electrolytic 100µF/25V	CE04W1E101M	CN102	9LE F018 78	3P MX connector	
C516L,516R 255 1084 007 Film 0.1μF/50V CQ93M1H104K CN551 9L2 9091 33 5P PH connector L=100 C517,518 255 1084 007 Film 0.1μF/50V CQ93M1H104K	C509~514	254 4261 028	Electrolytic 100µF/50V	CE04W1H101M				
C517,518 255 1084 007 Film 0.1μF/50V CQ93M1H104K	C515L,515R	255 1084 007	Film 0.1μF/50V	CQ93M1H104K	CN501	9L2 9090 44	2P PH connector	
	C516L,516R	255 1084 007	Film 0.1μF/50V	CQ93M1H104K	CN551	9L2 9091 33	5P PH connector L=100	
C520L,520R   9L0 8900 43M   Ceramic 0.01μF/16V   CK14Y1C103M   Δ S001,002   9LF G000 11   Voltage selector switch   Asia model	C517,518	255 1084 007	Film 0.1μF/50V	CQ93M1H104K				
	C520L,520R	9L0 8900 43M	Ceramic 0.01µF/16V	CK14Y1C103M	∆ S001,002	9LF G000 11	Voltage selector switch	Asia model

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Ref. No.	Part No.	Part Name	Remarks	Q'ty
L501L,501R	9L2 2273 61	Audio trap coil	Europe, U.K.	
			models	
L502	9L2 2273 61	Audio trap coil	Europe, U.K.	
1.5541.5540	01.0.0070.04	A . P . 1	models	
L551L,551R	9L2 2273 61	Audio trap coil		
<b>∆RY001</b>	9L2 6405 76	Relay SDT-SS-112DM		
		•		
RY501,502	9L2 6413 41	Relay		
RY551	9L2 6413 41	Relay		
	,			
PG001	9L2 6742 61	MX 2MM 2P pin post		
PG002	9L2 6688 12W	· ·		
PG003	9L2 6688 11W	2P VH pin post	1.	
D0004	01.0.6740.07	MV		
PG301	9L2 6742 67	MX mini pin post(53253-0810)		
PG402	9L2 6586 71W	TXL 2P pin post		
FG402	9L2 0300 / IVV	TAL 2F piil post		
PG551	9L2 9590 54	PH plug (5P)	, .	
. 5.50		p.29 (e. /		
PG601	9L2 6742 66	7P MX pin post		
PG602	9L2 6742 61	MX 2MM 2P pin post		
PG603	9L2 6742 64	MX pin post		
J001	9L2 6888 59	Jumper pin		
P001,002	9L2 6894 01	Power blank terminal		
	010071100	0 0 DT		_
	9L8 6714 08	3x8 DT screw		7
	9L8 6914 08 9L8 6914 14	Screw BH BT 3x8 3x14 BT screw		5 4
	360 0314 14	OX 14 DT SCIEW		7
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## PARTS LIST OF EXPLODED VIEW OF AMP UNIT

**UDRA-1250 SECTION** 

Ref.	No.	Part No.	Part Name	Remarks	Q'ty	Re	f. No.	Part No.	Part Name	Remarks	Q'ty
	1	9LJ TO48 61	Audio unit Ass'y	U.S.A., Canada	1s		23	9LN X012 01	RE filter		1
1				models			24	9LP C017 02	Button (S)		1
		9LJ TO48 62	Audio unit Ass'y	Europe model	1s	1	25	9LP C015 13	Button (F/D)	Asia model	1
l		9LJ TO48 63	Audio unit Ass'y	U.K. model	1s	1		9LP C015 12	Button (F/D)	Except Asia	1
1		9LJ TO48 66	Audio unit Ass'y	Asia model	1s	1				model	
1						1	26	9LP C015 21	Button (TU)	Except Asia	1
	2	9LJ TO48 91	FL display unit Ass'y	U.S.A., Canada	1s 1	1				model	
ı				models				9LP C015 22	Button (TU)	Asia model	1
		9LJ TO48 92	FL display unit Ass'y	Europe model	1s		27	9LP H032 43	Front panel (TA)	Asia model	1
		9LJ TO48 93	FL display unit Ass'y	U.K. model	1s			9LP H039 51	Front panel (TA)	U.S.A., Canada	a 1
		9LJ TO48 96	FL display unit Ass'y	Asia model	1s					models	1
1						1		9LP H039 52	Front panel (TA)	Europe, U.K.	1
1	3	9LJ TO49 61	Main unit Ass'y	U.S.A., Canada	1s					models	1
l				models	A:		28	9L8 4116 42	Felt		2
·		9LJ TO49 62	Main unit Ass'y	Europe model	1s	1	29	9LP C016 91	VOL knob Ass'y	Asia model	1.1
1		9LJ TO49 63	Main unit Ass'y	U.K. model	1s	1		9LP C016 93	VOL knob Ass'y	Except Asia	1
1		9LJ TO49 66	Main unit Ass'y	Asia model	1s					model	,
1						1			,		
	4	9LQ A003 22	Heat sink cover		1		30	9LP C015 71	Balance knob	Asia model	1
i	5	9LN V000 81	Rear plate (E3)	U.S.A., Canada	1			9LP C015 72	Balance knob	Except Asia	1
				models						model	-
		9LN V000 82	Rear plate (E2/EK)	Europe, U.K.	1	ı	31				
1				models	1 1		32	9LP C015 41	Button (K)	Asia model	1.
		9LN V000 84	Rear plate (E1/EA)	Asia model	1	-	33	9LP H032 51	Clear panel		1
Δ	6	9L2 7131 47	AC cord	U.S.A., Canada	1		34	9LP U001 51	DENON badge		1
				models		1.					1.
Δ		9L2 9725 67	AC cord	Except U.S.A.,	1	<b>*</b>	40	9LN A094 11	Bottom support		1
				Canada models		*	41	9LN A094 21	Chasis holder		1
Δ	7	9LM L000 61	AC cord bushing	Except U.S.A.	1						
				Canada models	•		51	9LP C015 81	Echo knob	Asia model	1
Δ		9L3 8722 71	AC cord bushing	U.S.A., Canada	1		52	9LP C015 91	Mic knob (L)	Asia model	1
				models		1.	53 54	9LP C016 01	Mic knob (R)	Asia model	1
Δ ★	8	9LE P 000 62	E.C. plug	ECP01	1	*	54	9LG Y001 91	Ferrite core HF57RH	Europe, U.K.	1
	^	01 N A 074 44	Company plata	(U.K. model)	2					models	
	9	9LN A071 41	Support plate		2		60	9LE R002 41	1P US pin jack	JK002,003	2
	10	9LM 8000 91	Heat sink		1	1	61	9LE U000 86	4P SP terminal	JK551	1
1	11	9LN A094 31	Heat sink bracket (N)		2		62	9L2 6413 41	Relay	RY501,502,551	1
	12	9LN A094 51	TU bracket		1		63	9LE U003 61	6P SP terminal	JK502	1
1	13	9LN A071 31	P.W.B. bracket S		2		64	9LC W001 21	IC STK-400-060	IC501	
Δ	14	9LB T004 81	Power Transformer	PT002	1	4	65	9LE D004 91	15P socket	JK001	;
443	17	GED 1004 01	U.S.A., Canada models	1.002			66	9LE U000 11	Antenna terminal F2P	P101	1
Δ		9LB T004 82	Power Transformer	PT002	1		67	9LE D007 78	13P FFC connector	PG303A	1
44.		000.00.00	, chec ( discionne)	Europe, U.K.		1 .	68	9LE R002 33	4P US pin jack	JK302	
				models		İ	69	9LE R002 21	8P US pin jack	JK301	
Δì		9LB T004 83	Power Transformer	PT002	1	1	70	9LE P000 32	11P AB connector jack	JK303	1
44.		OLD .CO.CC	remainment.	Asia models			71	9LE K002 32	13P FFC wire	W303	1
Δ	15	9LB T004 71	Sub power Transformer	PT001	1	Δ	72	9L2 6405 76	Relay SDT-SS-112DM	RY001	1
	16	9LN Q014 92	Bottom chassis (AT)		1		73	9LA Y001 51	Variable resistor 50kohm-A x 4	RV401	1
1	17	9L3 8029 74	P.W.B. holder B		7	-1	74	9LH N000 31	Reciving unit SBX1910-52	IR801	1
	18	9LM Q000 34	Leg		2	1	75	9L2 6950 32	Headphone jack	JK601	1
	19	9LN X003 31	Foot		2	i	76	9LD D000 31	FL display	FL601	1
	20	9LQ A003 11	Top cover		1		77	9L0 1581 06	Variable resistor 100kohm B	RV402	1
1	21	9LP C015 32	Button (D)	Asia model	1		11	350 1301 00	valiable resistor TOUKOHIII B	117402	
		9LP C015 34	Button (D)	Except Asia	1	1					
1			• •	model	1	1					
l	22	9LP C015 31	Button (P)	Asia model	1	1					
		9LP C015 33	Button (P)	Except Asia	1	1					
			. ,	model	I	1					
L						L					لــــا

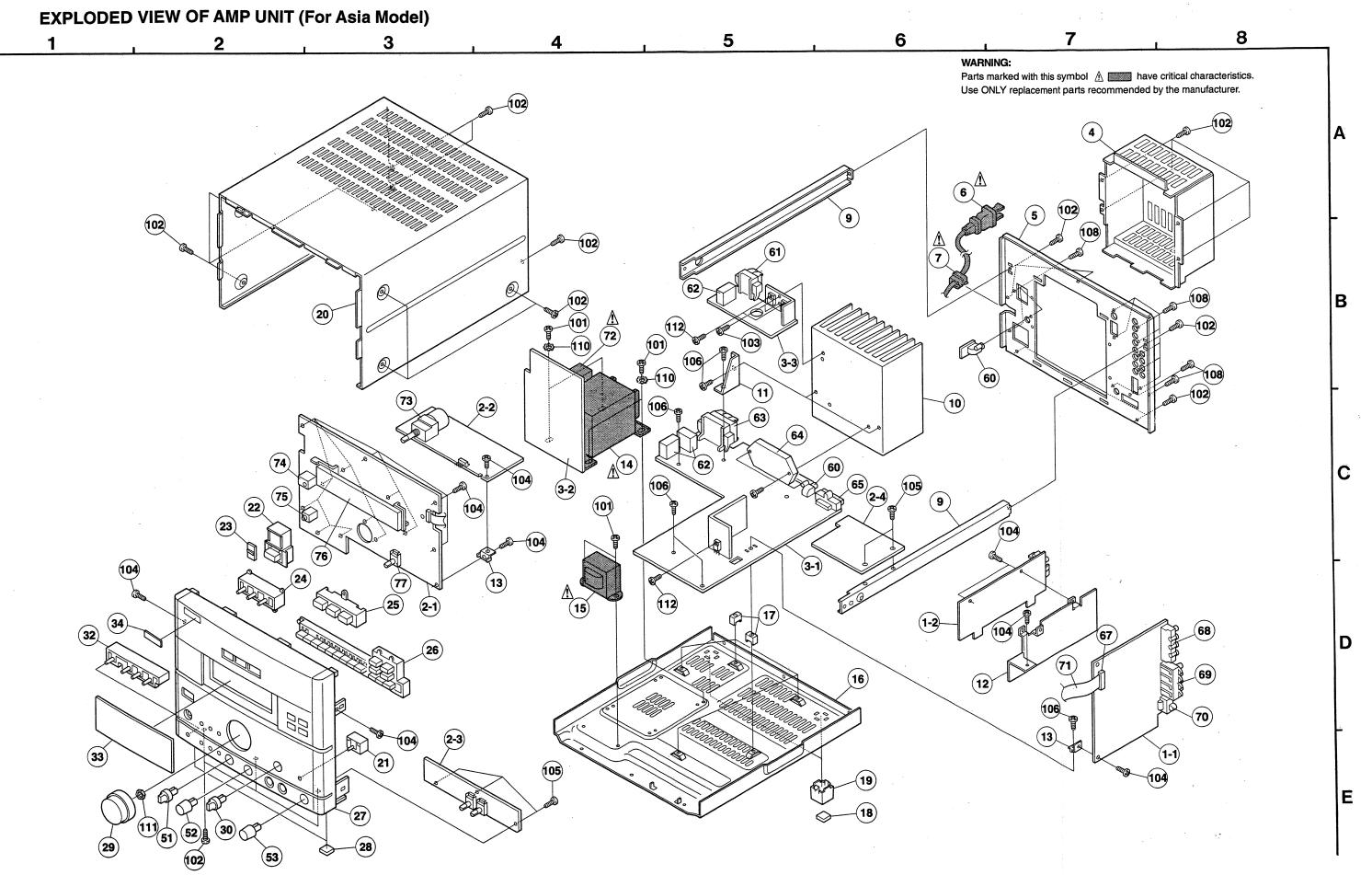
#### **Part Name** Remarks Q'ty Part No. Ref. No. LABELS 9LQ N013 61 Rating label (E1) Asia model 1 80 Rating label (E3) U.S.A., Canada 1 9LQ N013 63 models Asia model 1 9LQ T008 81 Preset label 82 Number sheet 1 83 9L4 9303 12 **SCREWS** 9L8 6716 06 Screw 4x6 DT bind 6 101 29 Screw 3x6 DT bind B 9L8 6794 06 102 3 Screw 3x8 BH BT 103 9L8 6914 08 23 9L8 6914 10 Screw 3x10 BH BT 104 Screw 3x10 BH BT Asia model 5 9L8 6914 10 105 8 Screw 3x14 BT 9L8 6914 14 106 Screw 2.6x8 BT bind B Asia model 4 107 9L8 6993 08 Screw 3x10 BH BT BBC 12 9L8 6994 10 108 1 Screw 3x6 DT 109 9L8 6714 06 4 Rock washer 110 9L8 8151 16 1 930 0854 009 Nut M9-11 111 3 9L8 6714 01 Screw 3x8 DT 112

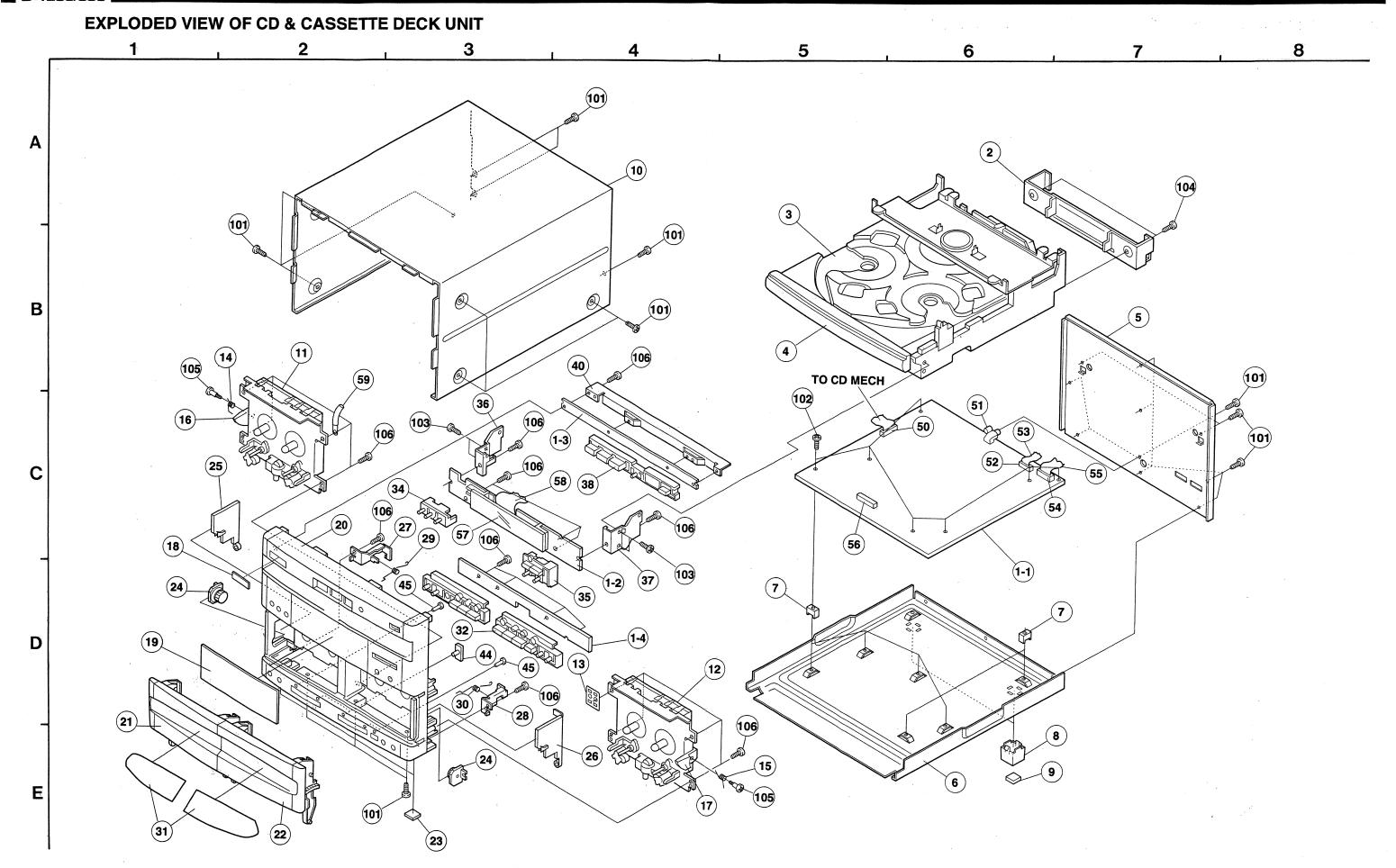
## **ACCESSORIES**

Ref. No.	Part No.	Part Name	Remarks	Q'ty
Kei. No.	Fait No.	rait Haine		Q ty
1	9LE F021 31	FM antenna connector	Except Europe	1
			model	
2	9LE Y002 81	EDISON plug adapter	Asia model	1
3	9LQ R065 01	Instruction manual E3	U.S.A., Canada	1
			models	
3	9LQ R065 02	Instruction manual E2	Europe model	1
3	9LQ R065 03	Instruction manual EK	U.K. model	1
3	9LQ R065 04	Instruction manual E1	Asia model	1
4	9L2 7132 21	US pin cord 1P		1
5	9L2 7593 41	AM loop antenna		1 .
6	9L3 6402 13W	Poly cover	U.K. model	1
7	9L3 6402 14W	Poly cover 250x300	Except U.K.	1
			model	
				ļ

### **PACKING**

Ref. No.	Part No.	Part Name	Remarks	Q'ty
20	9LS P033 71	Cushion R		2
21	9LS P033 81	Cushion L		2
22	9LS U010 16	Poly cover	U.K. model	1
23	9LS U010 17	Poly cover	Except U.K.	1
			model	4
24	9L3 6275 65	Poly cover		1
25	9LH L004 81	Remote control unit		1
26	9LS G046 81	Carton case E3/EA	U.S.A., Canada	1,
			models	
26	9LS G046 82	Carton case E2/EK	Europe, U.K.	1
			models	
26	9LS G046 83	Carton case E1	Asia model	1





# PARTS LIST OF EXPLODED VIEW OF CD & CASSETTE DECK UNIT

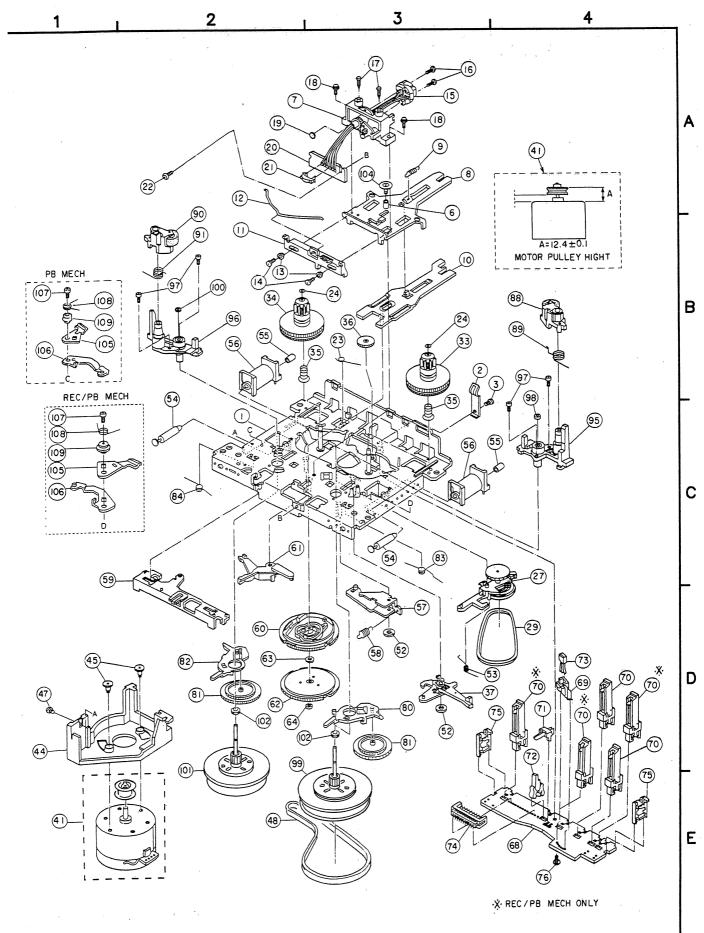
UCMW-1250 SECTION

lef. No.	Part No.	Part Name	Remarks	Q'ty	IL	Ref. No.	Part No.	Part Name	Remarks	Q't
1	9LJ T049 31	CDC unit Ass'y	U.S.A., Canada	1s		32	9LP C016 52	Deck button	Except Asia	1
			models						model	
	9LJ T049 32	CDC unit Ass'y	Europe model	1s -	П	33				
	9LJ T049 33	CDC unit Ass'y	U.K. model	1s		34	9LP C016 41	Dolby button	Asia model	1
	9LJ T049 36	CDC unit Ass'y	Asia model	1s			9LP C016 42	Dolby button	Except Asia	1
					П				model	١.
2	9LN V000 71	CD holder		1	П	35	9LP C016 31	CD button	Asia model	1
3	9LU C002 31	MGC-310 mecha		1	П		9LP C016 32	CD button	Except Asia	1
4	9LP H033 01	CD tray panel	Asia model	1	H				model	١.
	9LP H033 02	CD tray panel	Except Asia	1	Ш	36	9LN A070 81	M bracket L		1
			model		Ш	37	9LN A070 91	M bracket R	1	1
5	9LN V000 61	Rear plate		1	П	38	9LP C016 21	Disc button	Asia model	1
6	9LN Q014 61	Bottom shassis		1	П		9LP C016 22	Disc button	Except Asia	1
7	9L3 8029 74	P.W.B. holder B		7	H				model	
8	9LN X003 31	Foot		2	П	39				١.
9	9LM Q000 34	LEG		2	Ш	40	9LN A071 01	Bracket D		1
10	9LQ A003 12	Top cover		1						1
11	9LU C002 41	TN-1800ZU mecha (P)		1		44	9LP C016 61	LED indicator 1		2
12	9LU C002 51	TN-1800ZU mecha (R/P)		1		45	9LP C016 71	LED indicator 2		3
13	9LN A083 81	Bracket M		1						
14	9L3 3356 52	Cam spring L		1	Ш	50	9LE D008 91	16P FFC connector	PG801	1
15	9L3 3356 51	Cam spring		1	П	51	9LE R002 41	1P US pin jack	JK901	1
16	9LN J016 71	Eject cam L		1	Ш	52	9L2 6746 09	11P wire trap	PG709	1
17	9L3 8609 43	Eject cam		1	П	53	9LE W007 23	11P FG cable	CN709	1
18	9LP U001 51	DENON badge		1	П	54	9LE D004 84	PLGJ 52004-1510	PG710	1
19	9LP H032 52	Clear panel		1	Ш	55	9LE W001 62	15P FG cable	CN710	1
20	9LP H032 62	Front panel (CD)	Asia model	1	H	56	9L2 6989 81	30P FFC connector	PG904	1
	9LP H032 65	Front panel (CD)	U.S.A., Canada	1	П	57	9LD D000 21	FL tube 11-BT-148GK	FL901	1
		•	madels		П	58	9LE K002 31	30P FFC cable	W901	1
	9LP H032 66	Front panel (CD)	Europe, U.K.	1		59	445 0097 009	Wire clamper		1
21	9LP H032 71	Cassette door L	Asia model	1	11,	<del>★</del> 70	9LE F031 81	3P MX connector	CN701	1
21	1	Cassette door L	Europe, U.K.	1	11	<b>★</b> 71	9LE F031 83	6P MX connector	CN702	1
	9LP H032 73	Casselle door L	models	'	11	<b>★</b> 72	9LE F031 82	2P MX connector	CN703	1
	01.0.11000.74	Cassette door L	U.S.A., Canada	1	11	^ ★ 73	9L2 7119 36	4P TXL connector	CN704	1
	9LP H032 74	Casselle door L	madels	•	Ш,	<b>★</b> 74	9L2 9089 01	11P PH connector	CN705	1
00	01 D 11000 01	Cassette door R	Asia model	1	Ш,	<del>∧</del> 75	9L2 9765 44	4P MX connector	CN706	1
22	9LP H032 81	Cassette door R	Europe, U.K.	1	11	<del>∧</del> 76	9L2 9089 28	12P PH connector	CN707	1
	9LP H032 85	Casselle door n	models	'	Ш		022 0000 20	TEI TTT GGIIII GGG		'
	9LP H032 87	Cassette door R	U.S.A., Canada	1						<u> </u>
	9LP H032 87	Casselle door n	madels	1 '		LABELS		· · · · · · · · · · · · · · · · · · ·		
00	01044640	Folt	madels	2	,	<b>★</b> 80	9L4 9303 12	Number sheet		1
23	9L8 4116 42	Felt		2	,	<b>★</b> 81	9LQ K000 51	Manufactured label	U.S.A., Canada	a 1
24	9LK F003 71	Gear damper N		١.	Ш				models	
25	9LN J016 51	Side cover L		1	╟	SCREWS		<u> </u>	· <u>ļ</u>	
26	9LN J016 61	Side cover R		1	lŀ			Corour Ove DT D		140
27	9LN A071 11	EJ bracket L		1		101	9L8 6794 06	Screw 3x6 DT B		18
28	9LN A071 21	EJ bracket R		1		102	9L8 6914 14	Screw 3x14 BT		7
29	9L3 3357 82	Eject spring L		1		103	9L8 6994 08	Screw 3x8 BT BH BBC		4
30	9L3 3357 81	Eject spring R		1	П	104	9L8 6994 10	Screw 3x10 BT BH BBC		3
31	9LP H032 92 9LP C016 51	Cassette clear	Anin	2	П	105	9L4 5318 81	Screw 2x3		2
32		Deck button	Asia model	1 1		106	9L8 6914 10	Screw 3x10 BT BH		23

## PARTS LIST OF EXPLODED VIEW OF CASSETTE DECK MECHANISM UNIT

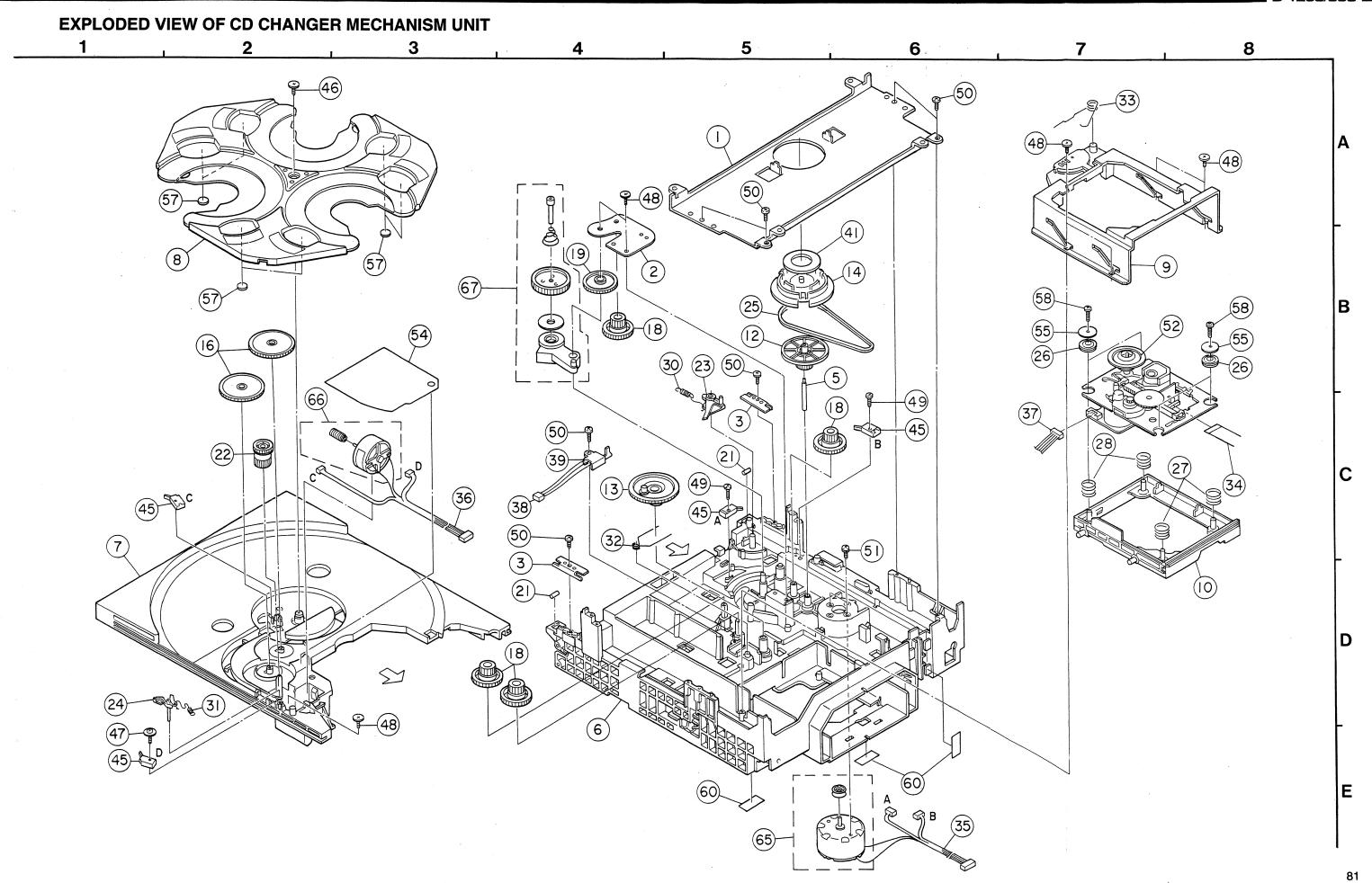
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Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
1	9H0 5000 420	Chassis Ass'y		1	58	9D1 8802 111	P kick lever spring		1
2	9D1 8801 002	Pack spring		1	59	9D1 8882 101	CH slider lever		1
3	9H0 5000 421	Screw 2x3 C TAPP		1	60	9D1 8882 102	M gear		1
4	3110 0000 421	COICH ENG C ITH			61	9D1 8882 103	M triger arm		1
					62	9D1 8882 110	RF cam gear		1
5	001 0000 010	Daniel celler		1	63	9H0 5000 394	E ring S2.0		1
6	9D1 8880 216	Panal collar		1 1	64	9H0 5000 433	HLW cut 1.55x3.5x0.5		1
7	9H0 5000 502	Head base Ass'y	1	1	65	9110 3000 400	11EW Cut 1:55x6:5x6:5		'
8	9D1 8880 202	Head panel A		1					
9	9D1 8800 204	RC spring		1	66				
10	9H0 5000 423	Head panel B Ass'y	}	1	67				
11	9D1 8800 206	CHP lever	-	1	68	9D1 8885 306	P base		1
12	9D1 8880 405	Pinch roller spring		1	69	9D1 8885 303	IC protector		1
13	9D1 8650 228	CHP lever collar		2	70	9H0 5000 434	Leaf SW MTS10431MVJ0	1	5
14	9H0 5000 424	Camera screw 1.7x3		2	. 71	9H0 5000 435	Leaf SW MSW18211MVD0		1
15	9D6 2020 606	Head YK56R-BA405	REC/PB	1	72	9H0 5000 436	Leaf SW MCV00511MVD0		1
15	9D6 2020 713	Head YK50P-BA405	РВ	1	73	9D6 8040 603	Hall IC LB9051A		1
16	9H0 5000 425	Head collar screw S	1, -	2	74	9D6 8020 254	Connector S12B-PH	REC/PB	1
	9H0 5000 425	Screw 2x6 SMALL		2	74	9D6 8020 253	Connector S11B-PH	PB	1
17				2	75	9D1 8885 304	P base stud		2
18	9H0 5000 385	Screw 2x5 TAMS			76	9H0 5000 437	Screw 2x4 C TAPP	İ	1
19	9D1 8650 961	Spacer		1	77	3110 3000 407	OCIOW ZATO TAIT		'
20	9D1 8650 234	Relay board	PB	1	1 2				
20	9D1 8650 266	Relay board	REC/PB	1	78				
21	9D1 8650 249	Wire clamp	ĺ	1 1	79				
22	9H0 5000 384	Screw 2x5 S TAMS		1	80	9H0 5000 438	T gear arm F Ass'y		1
23	9D1 8880 204	Head panel spring		1	81	9D1 8880 507	T gear		2
24	9H0 5000 503	HLW cut 1.4x3.1x0.5		2	82	9H0 5000 439	T gear arm R Ass'y		1
25					83	9D1 8880 513	TG arm F spring		1
26					84	9D1 8880 514	TG arm R spring		1
27	9H0 5000 428	RF clutch Ass'y		1	85				
28	3110 3000 420	The diator rico y		'	86				
1	9D1 8880 707	RF belt		1	87	}			
29	901 0000 707	nr beit		'	88	9H0 5000 505	Pinch roller F Ass'y		1
30					89	9D1 8800 403	P arm F spring		1
31					90	9H0 5000 506	Pinch roller R Ass'y		1
32				١.	91	9D1 8800 404	P arm R spring		1
33	9H0 5000 429	T reel Ass'y F	İ	1		901 0000 404	F ailli H Spiling		'
34	9H0 5000 430	T reel Ass'y R		1	92				
35	9D1 8880 515	B.T spring		2	93		'		
36	9D1 8880 508	FF gear	1	1	94				١.
37	9D1 8880 509	RF triger arm		1	95	9H0 5000 442	FL metal F Ass'y		1
38					96	9H0 5000 443	FL metal R Ass'y		1
39	1				97	9H0 5000 431	Screw 2x5 C TAP		4
40					98	9H0 5000 444	HLW cut 1.8x4x0.5		1
41	9H0 5000 504	Motor Ass'y		1	99	9H0 5000 507	Flywheel F Ass'y		1
42	3110 3000 304	Motor 7 Go y			100	9H0 5000 446	HLW cut 1.7x3.5x0.5		1
	1				101	9H0 5000 508	Flywheel R Ass'y		1
43	004 0004 000	Matau breaket	1	1	102	9H0 5000 509	HLW cut 2.3x3.8x0.13	į	2
44	9D1 8881 202	Motor bracket		1 1	103	0.10 0000 000	TIEVY GUI Z.OXG.OXG.TG		-
45	9D1 9211 202	Motor collar screw		2	103	9H0 5000 459	Screw 2x5 TAPP		1
46					1 1	ı	l .	REC /PB	
47	9H0 5000 431	Screw 2x5 C TAP		1	105	9D1 8801 301	E stopper A(F)	1	
48	9D1 8880 936	M belt		1	105	9D1 8801 306	E stopper A(F)	PB	
49					106	9D1 8881 303	E stopper B(R)	PB	
50		* *.			106	9D1 8881 302	E stopper B(R)	REC /PB	1
51					107	9H0 5000 449	Screw 2x6 TAPP	1	1
52	9H0 5000 432	HLW cut 2.1x5x0.4		2	108	9D1 8881 307	E stopper spring F	REC /PB	1
53	9D1 8882 109	Triger arm spring		1	108	9D1 8881 308	E stopper spring F	PB	1
53 54	9D1 8802 105	Plunger		2	109	9D1 8801 305	E stopper FR collar		1
	ł	1 -	1	2	109	פטנוססותפן	- sinhhei L'u coiigi		'
55 50	9D1 8802 106	Plunger holder		2					
56	9D1 8882 108	Solenoide		1 1					
57	9D1 8882 104	P kick lever		1				1	

# **EXPLODED VIEW OF CASSETTE DECK MECHANISM UNIT**



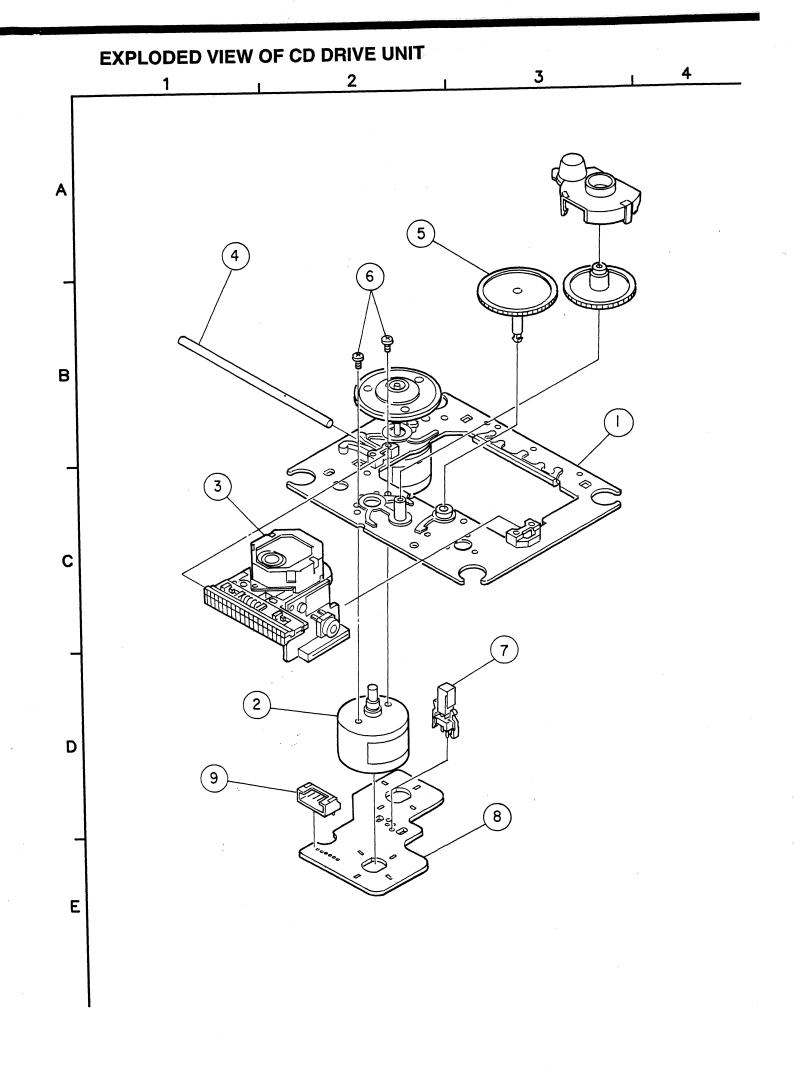
## PARTS LIST OF EXPLODED VIEW OF CD CHANGER MECHANISM UNIT

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
1	9GC 3B10 07	Clamp bracket		1	53				
2	9GC 3D10 02S	Gear bracket		1	54	9GC 3D80 19	Cover		1
3	9GC 3D10 03S	Tray bracket	,	2	55	9GC 3D80 18	Washer		4
4					56				
5	9GC 3D20 02	Pulley shaft		1	57	9GC 3D80 15	Sheet tray-B		6
6	9GC 3A30 01S	Main chassis		1	58	932 0023 108	Screw 2x8 B TAPP		4
7	9GC 3A30 02S	Slide tray		1	59				
8	9GC 3A30 03S	Rotaly tray		1	60				
9	9GC 3B30 24S	Lift slider		1	61				
10	9GC 3B30 23S	MD-B frame		1	62				
11	000 0000 200				63				
12	9GC 3C30 10S	Load pulley		11	64				
13	9GC 3C30 14S	Up/down cam gear			65	9GC 3D90 08	Motor Ass'y		1
14	9GC 3B30 28	Clamper			66	9GC 3D90 07	Motor Ass'y		1
15	900 3530 20	Ciampoi		'	67	9GC 3D30 22	Friction arm Ass'y		1
	9GC 3D30 08S	Idler gear		2			Í		
16 17	900 3030 003	luiei geai		-					
	9GC 3D30 11S	Load gear		4					
18	9GC 3D30 113	Center gear		1					
19	900 3030 12	Center year		'					
20	000 0000 150	Tray roller		2					
21	9GC 3D30 15S	Helical gear		1					
22	9GC 3D30 17S	_		'					
23	9GC 3D30 18S	1	l		H				
24	9GC 3D30 29	Brake Lever							
25	9GC 3D40 01S	Drive belt		1	1				
26	9GC 3D40 03	Insulator		4					
27	9GC 3D60 11	Spring MD-G		2					
28	9GC 3D60 12	Spring MD-H		2					
29									
30	9GC 3D60 05	Spring lock		1					
31	9GC 3D60 14	Spring brake							
32	9GC 3D60 07	Spring cam							
33	9GC 3D60 13	Spring left							
34	9GC 3D90 31	FFC cable 16P							1
35	9GC 3D90 35	Loading wire		11					
36	9GC 3D90 34	Rotary wire		1	1.				
37	9GC 3D90 20	Wire 6P TU-D		1	1				
38	9GC 3D90 21	Wire 3P		1					
39	9GS 3320 61	SSCF lever switch		1					
40		·				i i			
41	9GT 9905 44	Magnet		1					
42								1	
43						] . ]		1	
. 44		•							
45	9GC 3C90 32	Lever switch		4	1				)
46	9GC 3D80 10	Screw F		1					
47	9GC 3D80 04	Screw B		1					
48	9GC 3D80 05	Screw C		7					
49	932 0022 002	Screw 2x12 B TAPP		2	1				
50	932 0023 001	Screw 2.6x8 B TAPP		7.					
51	9GC 3D80 09	Screw E		2					
52	9G9 0438 002	TR. unit KSM213BCM		1					



# PARTS LIST OF EXPLODED VIEW OF CD DRIVE UNIT

Ref. No.	Part No.	Part Name	Remarks	Q'ty
1	SX2 6258 77	Motor Chassis Ass'y		1
2	SX2 6257 69	Motor gear Ass'y		1
3	S88 4837 6	Laser pickup	KSS-213B (PR)	1
4	S26 2690 8	Slide shaft		1
5	S26 2690 7	Gear (A) (S)		1
6	S76 2125 5	Screw 2x3		2
7	S15 7208 5	Reaf switch		1
8	S16 3967 8	Motor (6P) (S) P.W.B.	·	1
9	S15 6472 2	6P connector (pin)		1



#### D-1250/850 **WIRING DIAGRAM** 3 6 8 2 5 **AMP & TUNER UNIT** REAR AMP PWB LPF PWB W006 G W004 W003 CN551 CN501 WAR BREEFE SYSTEM CONT.2 SW AMP PWB For Asia Model SYSTEM SYSTEM CONT.3 CONT.1 800M 0 1-1 300WOS **TUNER PWB AUDIO PWB** MAIN PWB PG103 JK002 JK001 WHT WHT CN301 o JW001 PG501 RED BRN PG551 В TRANS PWB W006 RED O SUPERIOR OF THE PROPERTY W005 KORED JOGRN JORED CN302 800W GRY G**⊝**GRY PG102 CN103 CN304 W007 <u></u> CN102 PG402 W009 W004 BRN WHT BLK/WHT (U.S.A.) C BLU (Europe) KEY CON PWB For Asia Model PG302 PG602 AC CORD PG403 Europe Model BRN (Europe) BLK (U.S.A.) U.S.A Model D **SUB TRANS** DISP PWB PG4002 CN605 CN606 CN602 WHT **VR PWB** BRN O POO1 MIC PWB CN604

WHT WHT CN603

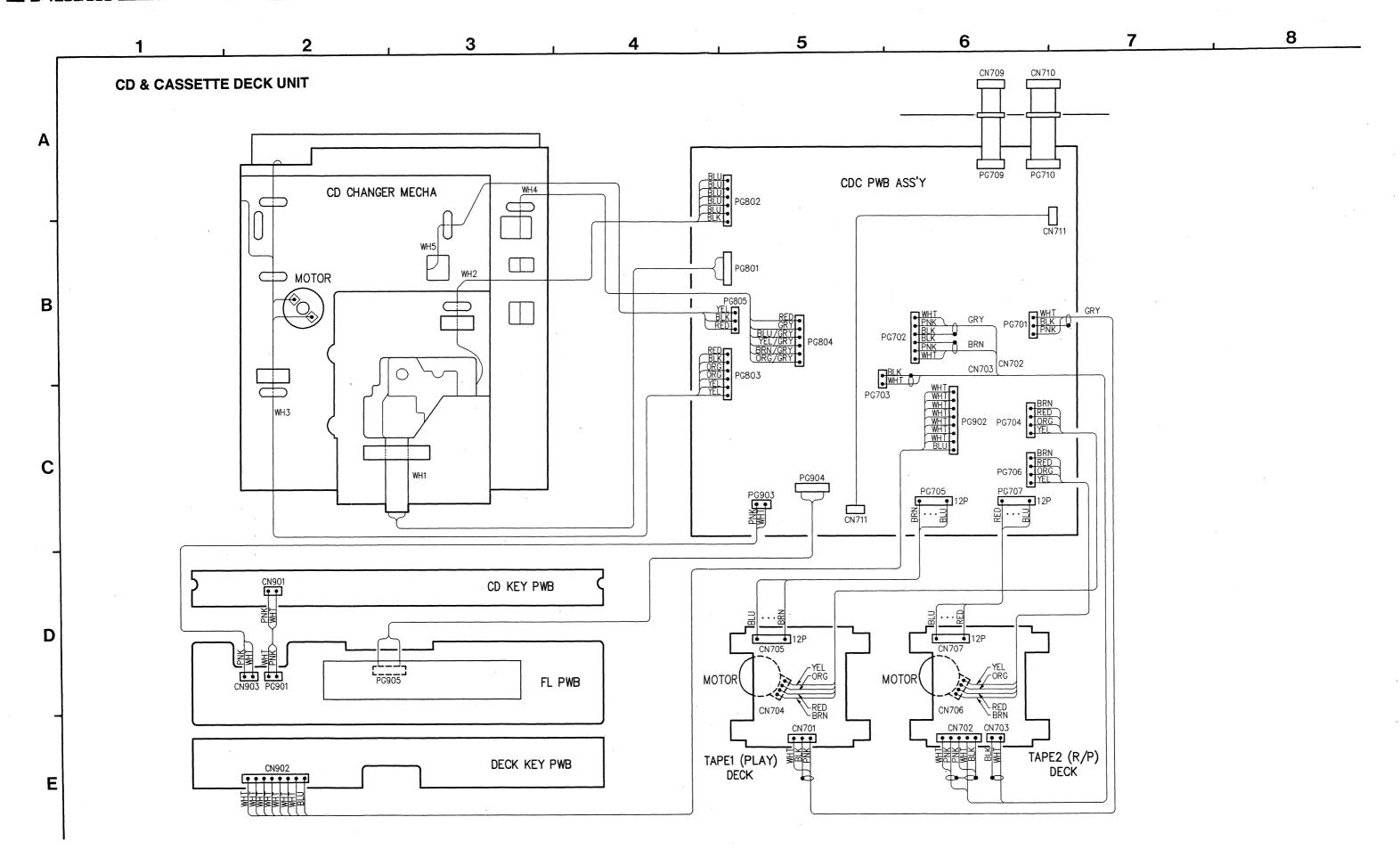
For Asia Model

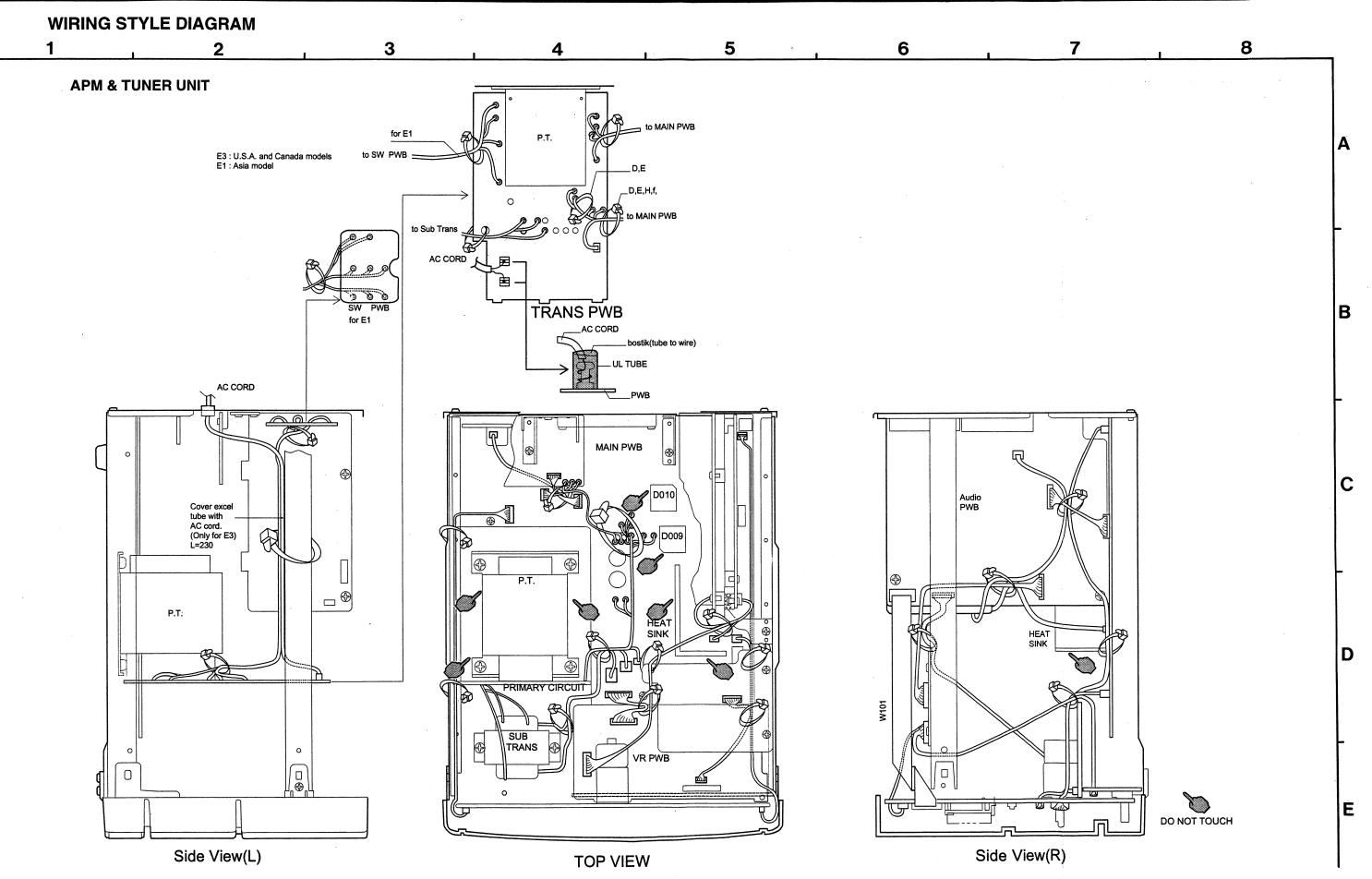
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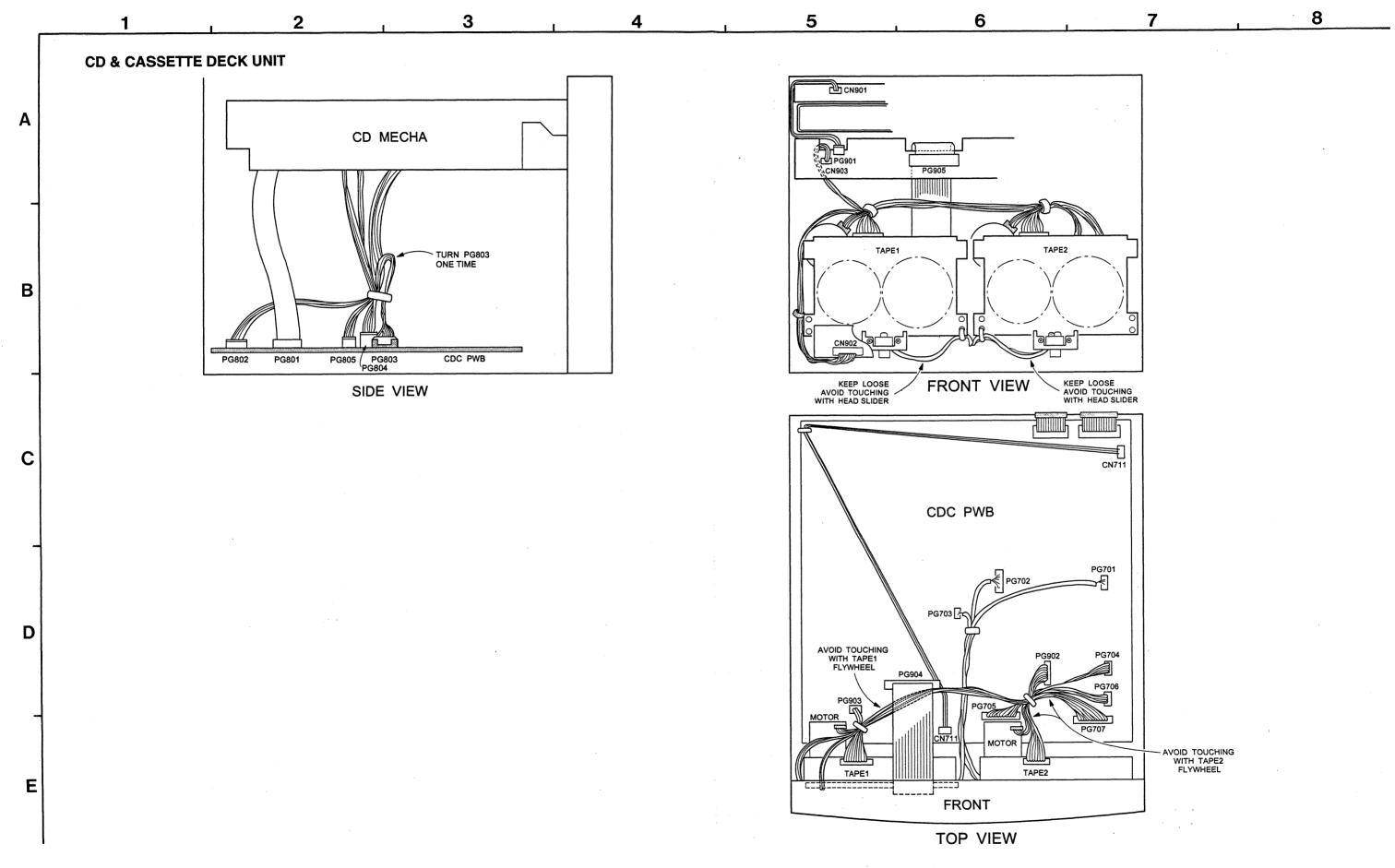
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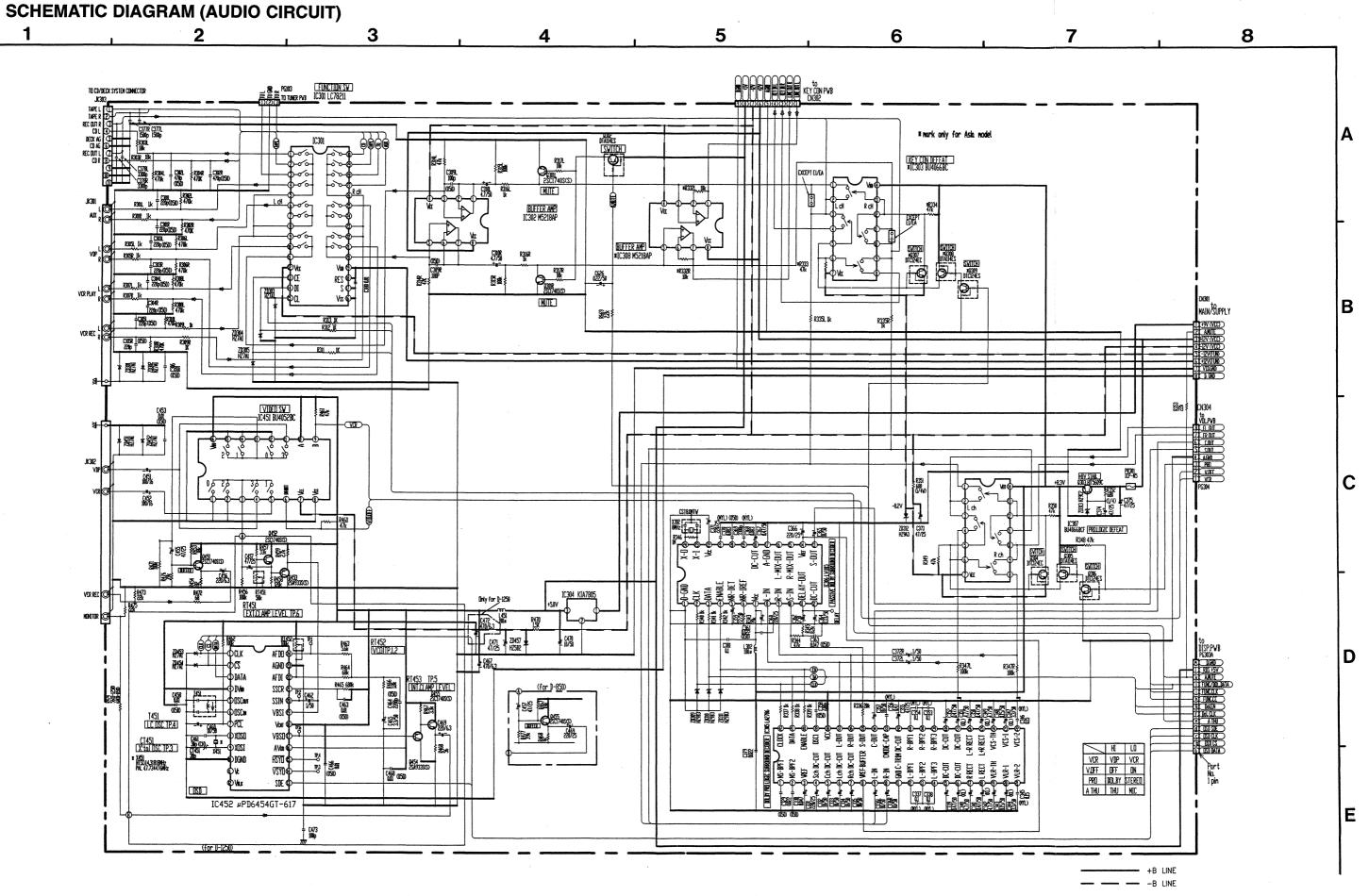
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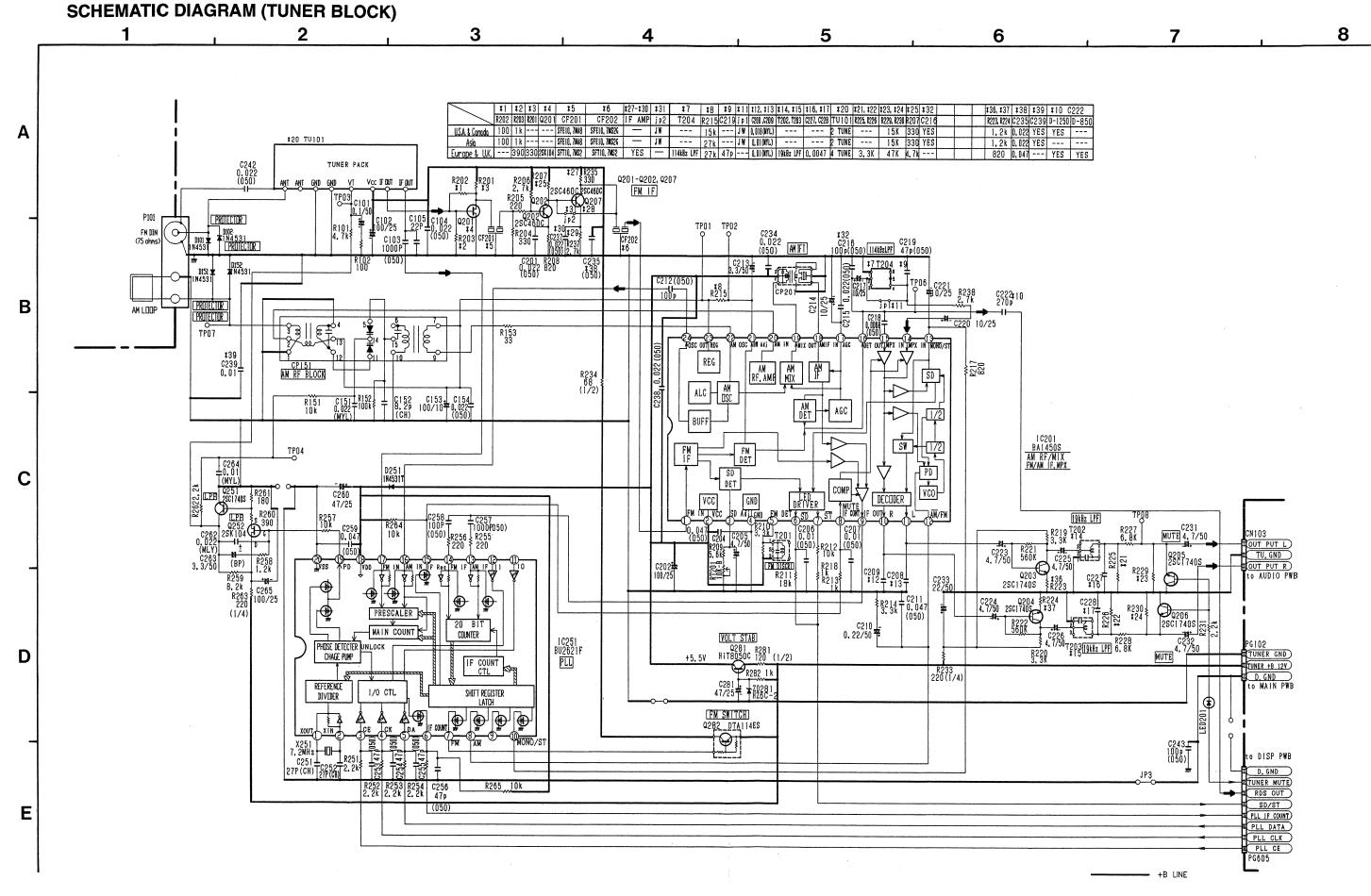
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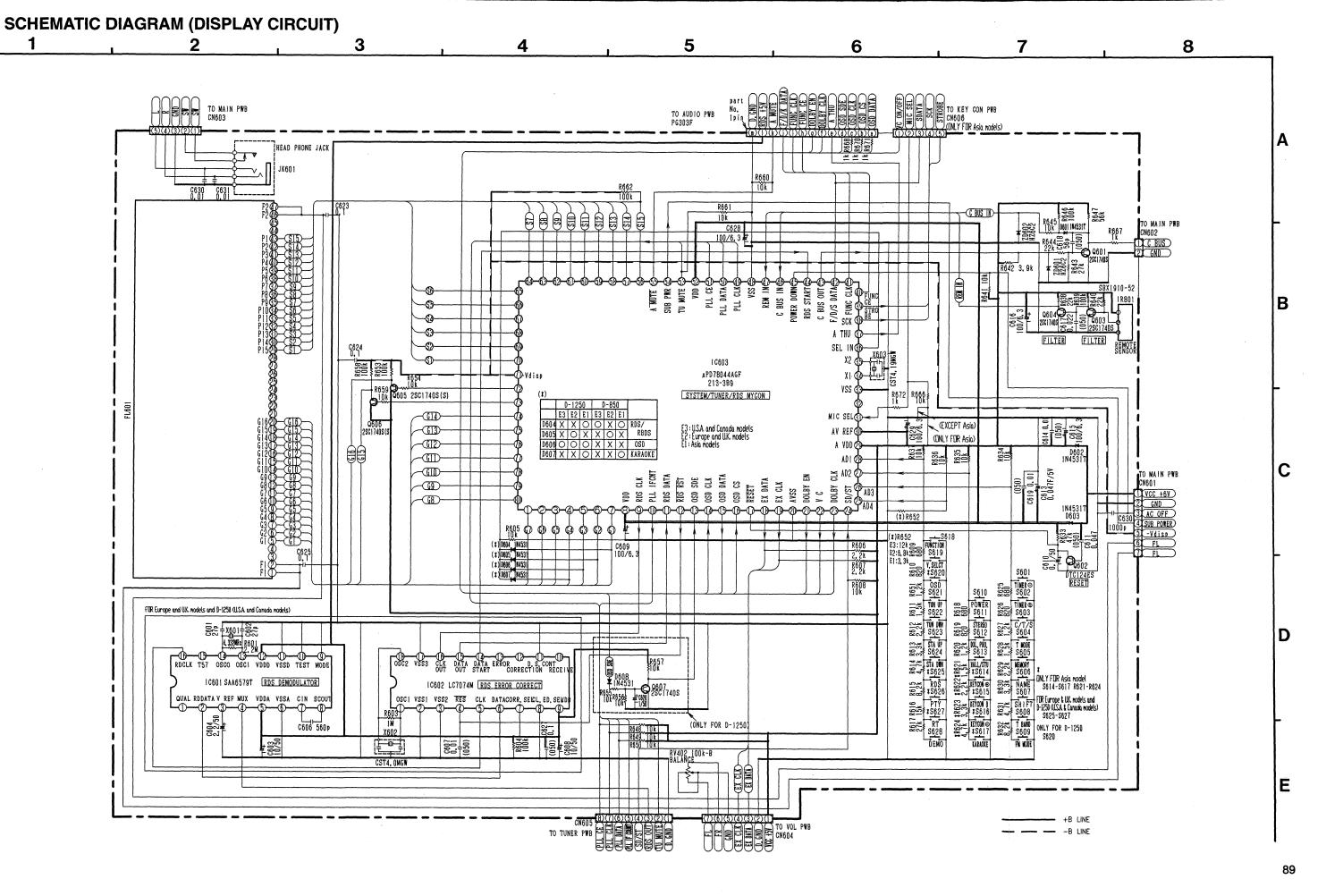












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